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1985

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1985 ESTIMATE OF THE COST OF COMPLETING

THE NATIONAL SYSTEM OF INTERSTATE AND DEFENSE HIGHWAYS

IN THE STATE OF MONTANA

SEPTEMBER 1984

( DATA AS OF DECEMBER 31, 1983 )

PREPARED BY

MONTANA DEPARTMENT OF HIGHWAYS  
IN COOPERATION WITH THE  
FEDERAL HIGHWAY ADMINISTRATION  
U.S. DEPARTMENT OF TRANSPORTATION

IN ACCORDANCE WITH

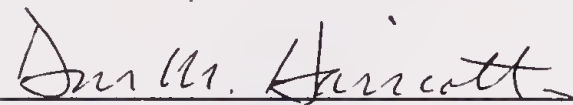
SECTION 104(b)(5), TITLE 23 U.S. CODE, HIGHWAYS

Montana State Library



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This 1985 Estimate of the cost of completing the National System of Interstate and Defense Highways in the State of MONTANA as of December 31, 1983, was prepared in accordance with Title 23, USC, Section 104(b)(5) and the FHWA Instruction Manual by the MONTANA DEPARTMENT OF HIGHWAYS in cooperation with the Federal Highways Administration.



Don M. Harriott, P.E.  
Administrator, Engineering Division  
Montana Department of Highways



Roger K. Scott  
Division Administrator  
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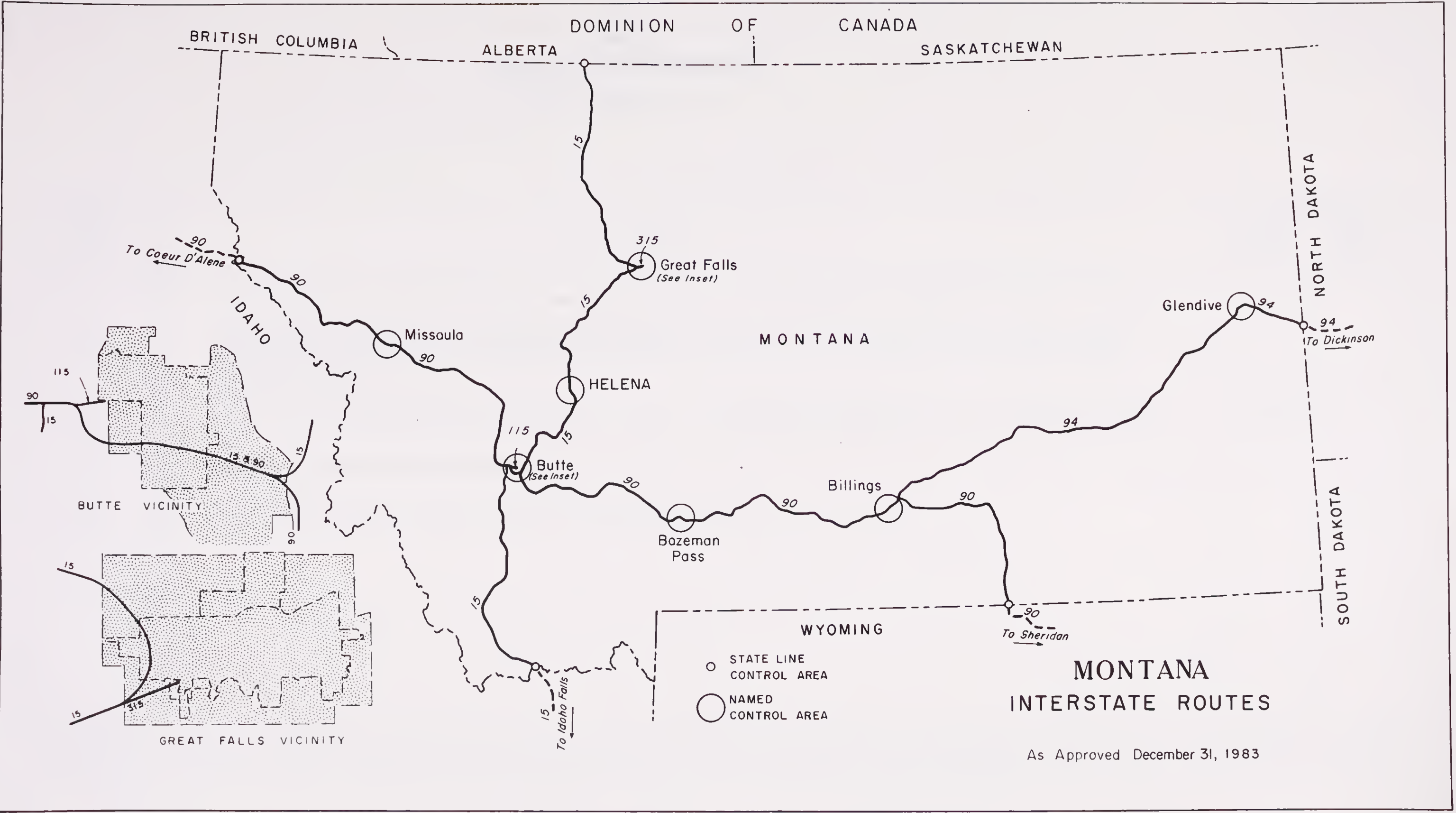
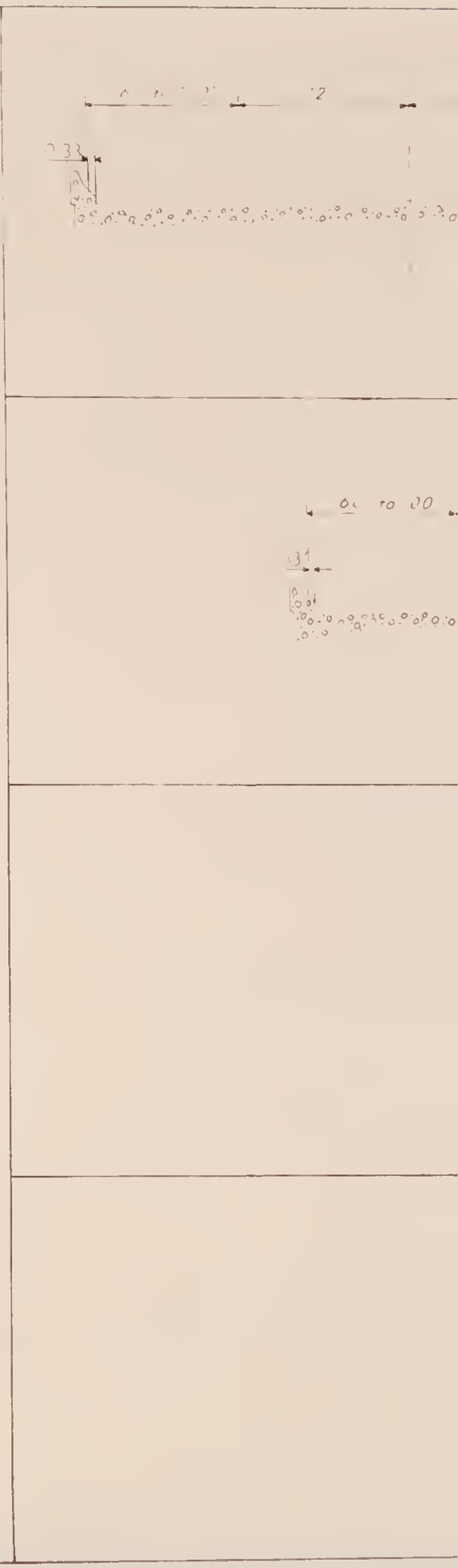


TABLE A  
APPROVED INTERSTATE ROUTE DESCRIPTION  
STATE Montana

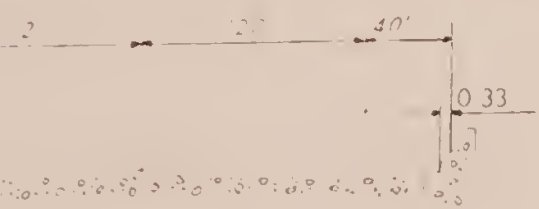
Route Number	Route Description	Length Miles	
		ROUTE SIGNIF. N	ROUTE SIGNIF. L
15	From the Montana-Idaho State line at Monida Pass via Butte, Helena and Great Falls to the international boundary at Sweetgrass	395.2	
90	From the Montana-Idaho State line at Lookout Pass via Missoula to a point on Interstate Route 15 west of Butte, and from another point on Interstate Route 15 east of Butte via Bozeman Pass and Billings to the Montana-Wyoming State line north of Sheridan, Wyoming	543.7	
94	From a point on Interstate Route 90 near Billings via Glendive to the Montana-North Dakota State line near Beach, North Dakota	247.8	
115	From a point on Interstate Route 15 west of Butte, to Butte		1.4
315	From a point on Interstate Route 15 southwest of Great Falls, to Great Falls		0.8
Total		1186.7	2.2

4 LANE DIVIDED	MODIFIED 2 LANE	TYPICAL SECTION REFERENCE CODE		
	ROADWAY	RIGHT SHOULDER	BIT SURF	CONC SURF
		10'	20	21
		6'	22	23
DEPRESSED MEDIAN	DEPRESSED MEDIAN	10	30	31
		6'	32	33
	GUARDRAIL MEDIAN	10'	40	41
		6	42	43
INDEPENDENT ALIGN	INDEPENDENT ALIGN	0'	50	51





## BRIDGES

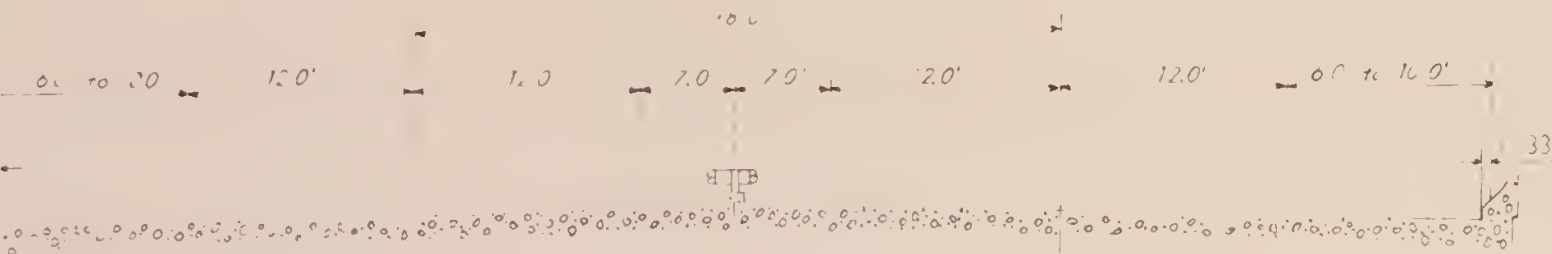


Variable 4' to 8'

DEPRESSED MEDIAN



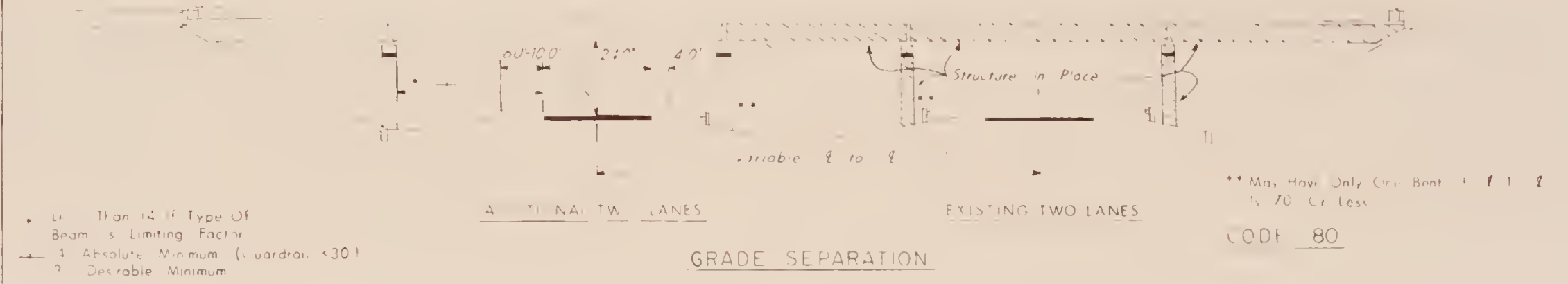
CODE  
0' shoulder 60  
6' shoulder 61



GUARDRAIL MEDIAN

CODE 70

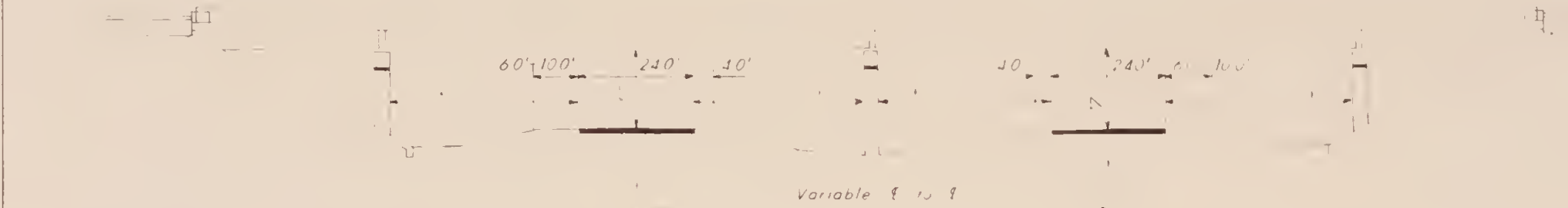
## UNDERPASSES



- L<sub>1</sub> Than 14' If Type Of Beam's Limiting Factor
- 1 Absolute Minimum (Guardrail < 30')
- 2 Desirable Minimum

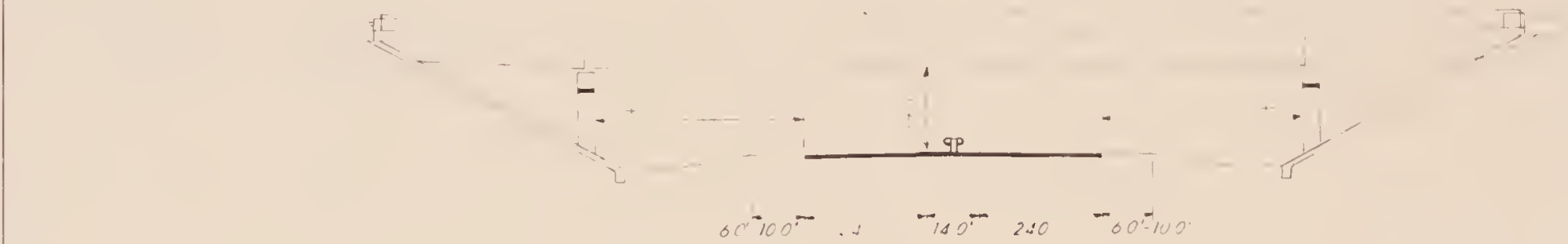
\*\* May Have Only One Bent + 1' 1' 2' 1' 70' Or Less

CODE 80



- 14' Absolute Minimum (Guardrail < 30')
- 30' Desirable Minimum
- 5' 6" Absolute Minimum
- 30' Desirable Minimum

CODE 82



- 14' Absolute Minimum (Guardrail < 30')
- 30' Desirable Minimum

GRADE SEPARATION - GUARD RAIL MEDIAN

CODE 84



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RUN DATE: 08/02/84

1985 INTERSTATE COST ESTIMATE

LE15R85A  
PAGE: 1

STATE: MONTANA

CODE: 30

ROUTE: 1 015

TABLE B  
DESIGN CLASSIFICATION AND COST ESTIMATE  
BY ESTIMATE SECTION

ESTIMATE SECTION MILE POST

ITEM	.00	43.82	45.66	51.00	52.38	54.50
1. FINANCE CODE	20	22	22	22	22	20
2. SECTION LENGTH, MILES (0.01)	43.74	1.80	5.30	1.40	2.10	74.00
3. CLASS: RURAL (R) OR URBAN AREA I.D. (NAME AND CODE)	000	R	R	R	R	000
4. MILEAGE INCREMENT: CODE (1,2 OR 3)		1	1	1	1	
5. ROUTE SIGNIFICANCE: CODE (N OR L)		N	N	N	N	
6. DESIGN SPEED(V)		70	70	70	70	
7. BASE YEAR TRAFFIC (1982 ADT)	0	1,670	1,670	1,670	1,670	0
8. TRAFFIC A. DESIGN YEAR (19 ) OR (20 )		5	5	5	6	
B. ADT DESIGN YEAR		2,630	2,630	2,630	2,630	
C. DHV DESIGN YEAR		350	350	350	350	
D. D. DIRECTION DISTRIBUTION FACTOR		55	55	55	55	
E. T. % TRUCK DESIGN YEAR DHV		21	21	21	21	
F. T. % TRUCK DESIGN YEAR (ADT)		28	28	28	28	
9. NO. LANES TO BE CONSTRUCTED THIS ESTIMATE		2	2	4	2	
10. ULTIMATE NO. THROUGH TRAFFIC LANES		4	4	4	4	
11. TYPICAL CROSS SECTION REFERENCE		20	20	30	20	
12. RIGHT-OF-WAY WIDTH: PREVAILING		300	270	300	300	
13. MEDIAN WIDTH: PREVAILING		93	38	38	38	
14. DEVELOPMENT DEC. 31, 1983 (PR-511)		2A2F	2A2F	4A10	2A2F	

WORK CLASSIFICATION

ESTIMATED COSTS (1,000 DOLLARS)

1. PRELIMINARY ENGINEERING	0	0	0	0	0	
2. RIGHT-OF-WAY A. ACQUISITION	0	0	0	0	0	
B. RELOCATION	0	0	0	0	0	
3. UTILITY ADJUSTMENT	0	0	0	0	0	
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STR.	744	1,676	1,144	1,715		
5. SUBBASE; BASE; SURFACING; SHOULDERS	739	1,916	616	923		
6. R.R. GRADE SEPARATIONS	0	0	0	0		
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS	0	282	0	0		
8. INTERCHANGES	195	0	1,866	0		
9. OTHER BRIDGES, TUNNELS AND WALLS	0	0	99	86		
10. TRAFFIC CONTROL DEVICES	252	211	78	118		
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES	0	0	0	0		0
12. SAFETY WORK ON COMPLETED SECTIONS	0	0	0	0		0
13. NOISE ABATEMENT MEASURES	0	0	0	0		0
14. ROADSIDE IMPROVEMENTS A. LANDSCAPING PLANTING	0	0	0	0		0
B. REST AREAS AND OVERLOOKS	0	0	0	0		0
15. ALL OTHER ITEMS: MAINT TRAF., TRAINING, MOBIL., ETC.	0	119	266	149	224	0
16. SUBTOTAL, LINE 4 THRU 15	0	2,049	4,351	3,952	3,066	0
17. CONSTRUCTION ENGINEERING & CONTINGENCIES, 15% OF LINE 16	0	307	653	593	460	0
18. TOTAL COSTS OF CONSTRUCTION, LINES 16 AND 17	0	2,356	5,004	4,545	3,526	0
19. TOTAL ESTIMATE COST, LINES 1, 2, 3 AND 18	0	2,356	5,004	4,545	3,526	0

RUN DATE: 08/02/84

1985 INTERSTATE COST ESTIMATE

LE15R85A  
PAGE: 2

STATE: MONTANA

CODE: 30

ROUTE: I 015

TABLE B  
DESIGN CLASSIFICATION AND COST ESTIMATE  
BY ESTIMATE SECTION

		ESTIMATE SECTION MILE POST					
ITEM		128.43	128.88	132.44	142.44	148.89	153.50
1. FINANCE CODE		22	22	20	22	22	22
2. SECTION LENGTH, MILES (0.01)		.40	3.50	10.00	6.40	4.60	2.70
3. CLASS: RURAL (R) OR URBAN AREA I.D. (NAME AND CODE)		R	R	000	R	R	R
4. MILEAGE INCREMENT: CODE (1,2 OR 3)		1	1		1	1	1
5. ROUTE SIGNIFICANCE: CODE (N OR L)		N	N		N	N	N
6. DESIGN SPEED (V)		50	50		50	60	60
7. BASE YEAR TRAFFIC (1982 ADT)		1,510	1,510	0	1,510	1,510	1,510
8. TRAFFIC A. DESIGN YEAR (19 ) OR (20 )		5	5		4	4	4
B. ADT DESIGN YEAR		2,380	2,380		2,330	2,330	2,330
C. DHV DESIGN YEAR		320	320		310	310	310
D. D. DIRECTION DISTRIBUTION FACTOR		55	55		55	55	55
E. T. % TRUCK DESIGN YEAR DHV		13	13		13	13	13
F. T. % TRUCK DESIGN YEAR (ADT)		16	16		16	16	16
9. NO. LANES TO BE CONSTRUCTED THIS ESTIMATE		2	2		4	4	4
10. ULTIMATE NO. THROUGH TRAFFIC LANES		4	4		4	4	4
11. TYPICAL CROSS SECTION REFERENCE		20	20		40	30	30
12. RIGHT-OF-WAY WIDTH: PREVAILING		300	300		300	300	300
13. MEDIAN WIDTH: PREVAILING		46	86		14	76	14
14. DEVELOPMENT DEC. 31, 1983 (PR-511)		2A3F	2A3F		4A30	4A30	4A30
WORK CLASSIFICATION		ESTIMATED COSTS (1,000 DOLLARS)					
1. PRELIMINARY ENGINEERING		0	0		0	110	65
2. RIGHT-OF-WAY A. ACQUISITION		0	0		0	0	0
B. RELOCATION		0	0		0	0	0
3. UTILITY ADJUSTMENT		0	0		0	0	0
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STR.		295	2,656		3,565	5,265	5,327
5. SUBBASE; BASE; SURFACING; SHOULDERS		135	1,212		1,988	1,917	3,523
6. R.R. GRADE SEPARATIONS		156	162		0	0	0
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS		0	114		247	0	3,029
8. INTERCHANGES		130	0		0	0	1,325
9. OTHER BRIDGES, TUNNELS AND WALLS		0	0		42	0	217
10. TRAFFIC CONTROL DEVICES		25	228		544	768	1,142
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES		0	0	0	0	0	0
12. SAFETY WORK ON COMPLETED SECTIONS		0	0	0	0	0	0
13. NOISE ABATEMENT MEASURES		0	0	0	0	0	0
14. ROADSIDE IMPROVEMENTS A. LANDSCAPING PLANTING		0	0	0	0	0	0
B. REST AREAS AND OVERLOOKS		0	0	0	0	0	0
15. ALL OTHER ITEMS: MAINT TRAF., TRAINING, MOBIL., ETC.		8	73	0	357	415	775
16. SUBTOTAL, LINE 4 THRU 15		749	4,445	0	6,743	8,365	15,338
17. CONSTRUCTION ENGINEERING & CONTINGENCIES, 15% OF LINE 16		112	667	0	1,011	1,255	2,301
18. TOTAL COSTS OF CONSTRUCTION, LINES 16 AND 17		861	5,112	0	7,754	9,620	17,639
19. TOTAL ESTIMATE COST, LINES 1, 2, 3 AND 18		861	5,112	0	7,754	9,730	17,704

RUN DATE: 08/02/84

1985 INTERSTATE COST ESTIMATE

LE15R85A  
PAGE: 3

STATE: MONTANA

CODE: 30

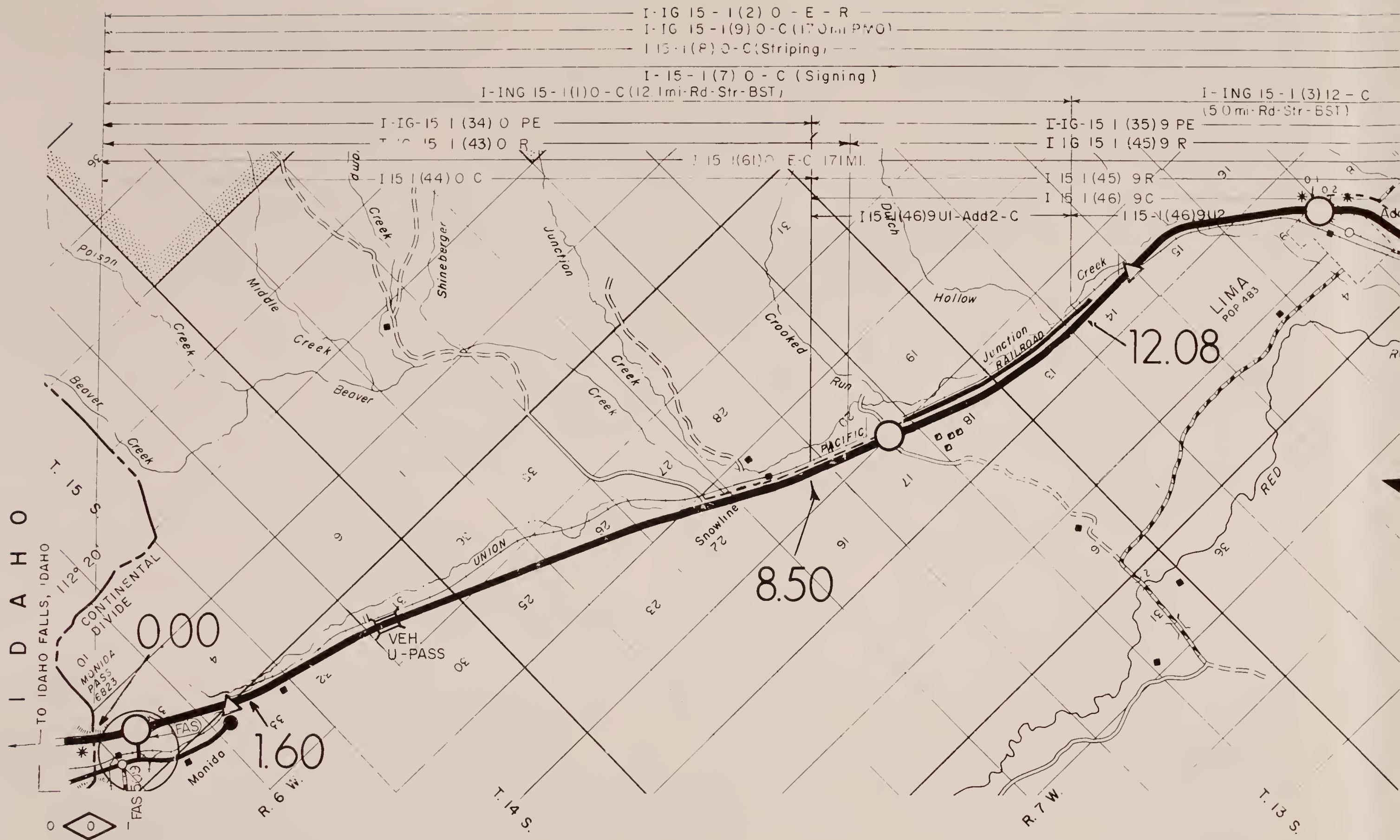
TABLE B  
DESIGN CLASSIFICATION AND COST ESTIMATE  
BY ESTIMATE SECTION

ROUTE: I 015

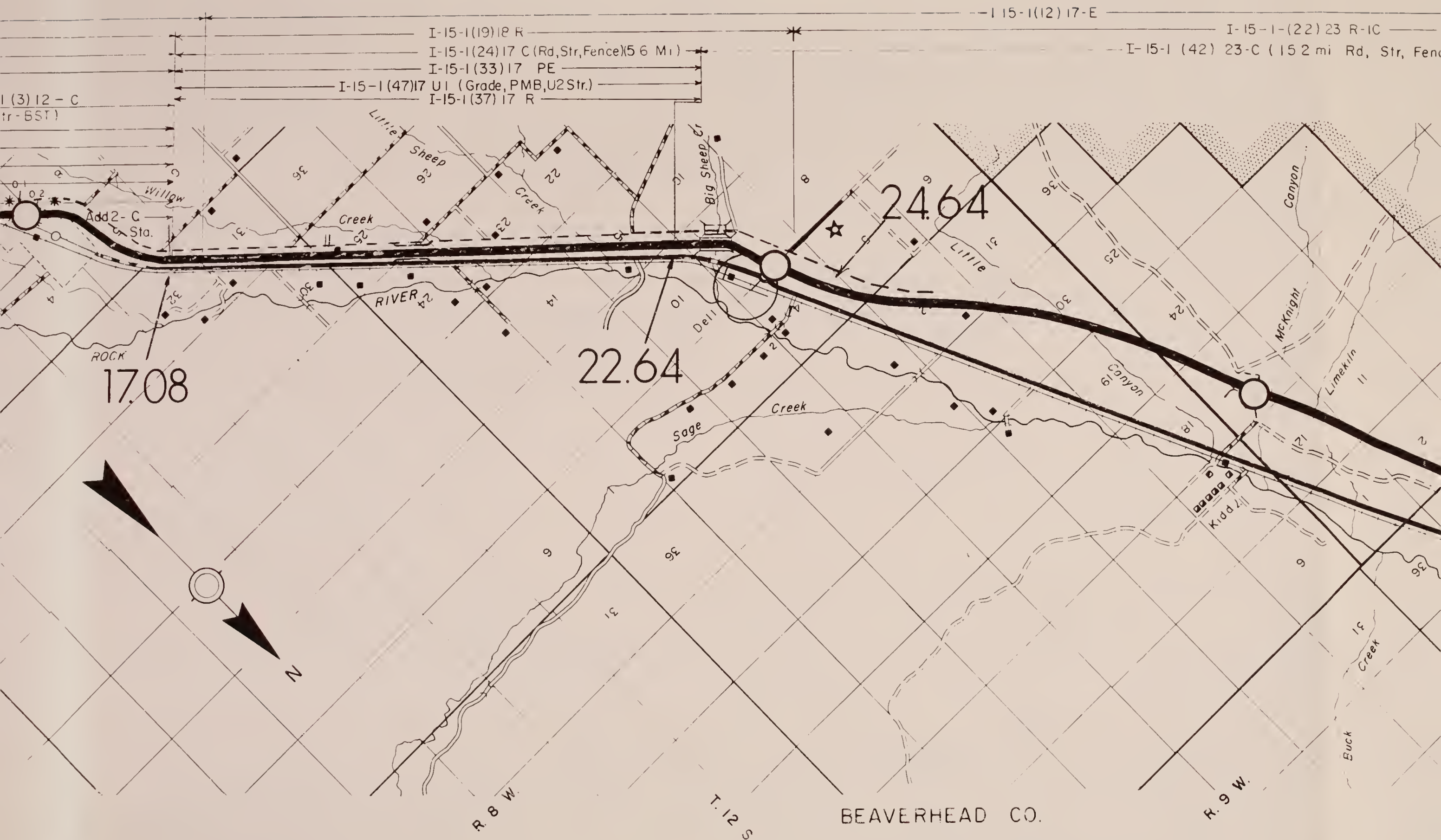
ITEM	ESTIMATE SECTION MILE POST			TOTAL
1. FINANCE CODE	156.16	247.00	344.26	
2. SECTION LENGTH, MILES (0.01)	20	20	20	
3. CLASS: RURAL (R) OR URBAN AREA I.D. (NAME AND CODE)	98.80	97.70	42.80	395.24
4. MILEAGE INCREMENT: CODE (1,2 OR 3)	000	000	000	
5. ROUTE SIGNIFICANCE: CODE (N OR L)				
6. DESIGN SPEED (V)				
7. BASE YEAR TRAFFIC (1982 ADT)	0	0	0	
8. TRAFFIC A. DESIGN YEAR (19 ) OR (20 )				
B. ADT DESIGN YEAR				
C. DHV DESIGN YEAR				
D. D. DIRECTION DISTRIBUTION FACTOR				
E. T. % TRUCK DESIGN YEAR DHV				
F. T. % TRUCK DESIGN YEAR (ADT)				
9. NO. LANES TO BE CONSTRUCTED THIS ESTIMATE				
10. ULTIMATE NO. THROUGH TRAFFIC LANES				
11. TYPICAL CROSS SECTION REFERENCE				
12. RIGHT-OF-WAY WIDTH: PREVAILING				
13. MEDIAN WIDTH: PREVAILING				
14. DEVELOPMENT DEC. 31, 1983 (PR-511)				

WORK CLASSIFICATION	ESTIMATED COSTS (\$1,000 DOLLARS)			
1. PRELIMINARY ENGINEERING				175
2. RIGHT-OF-WAY A. ACQUISITION				0
B. RELOCATION				0
3. UTILITY ADJUSTMENT				0
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STR.				22,387
5. SUBBASE; BASE; SURFACING; SHOULDERS				12,969
6. R.R. GRADE SEPARATIONS				318
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS				3,672
8. INTERCHANGES				3,516
9. OTHER BRIDGES, TUNNELS AND WALLS				444
10. TRAFFIC CONTROL DEVICES				3,366
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES	0	0	0	0
12. SAFETY WORK ON COMPLETED SECTIONS	0	0	0	0
13. NOISE ABATEMENT MEASURES	0	0	0	0
14. ROADSIDE IMPROVEMENTS A. LANDSCAPING PLANTING	0	0	0	0
B. REST AREAS AND OVERLOOKS	0	0	0	0
15. ALL OTHER ITEMS: MAINT TRAF., TRAINING, MOBIL., ETC.	0	0	0	2,386
16. SUBTOTAL, LINE 4 THRU 15	0	0	0	49,058
17. CONSTRUCTION ENGINEERING & CONTINGENCIES, 15% OF LINE 16	0	0	0	7,359
18. TOTAL COSTS OF CONSTRUCTION, LINES 16 AND 17	0	0	0	56,417
19. TOTAL ESTIMATE COST, LINES 1, 2, 3 AND 18	0	0	0	56,592

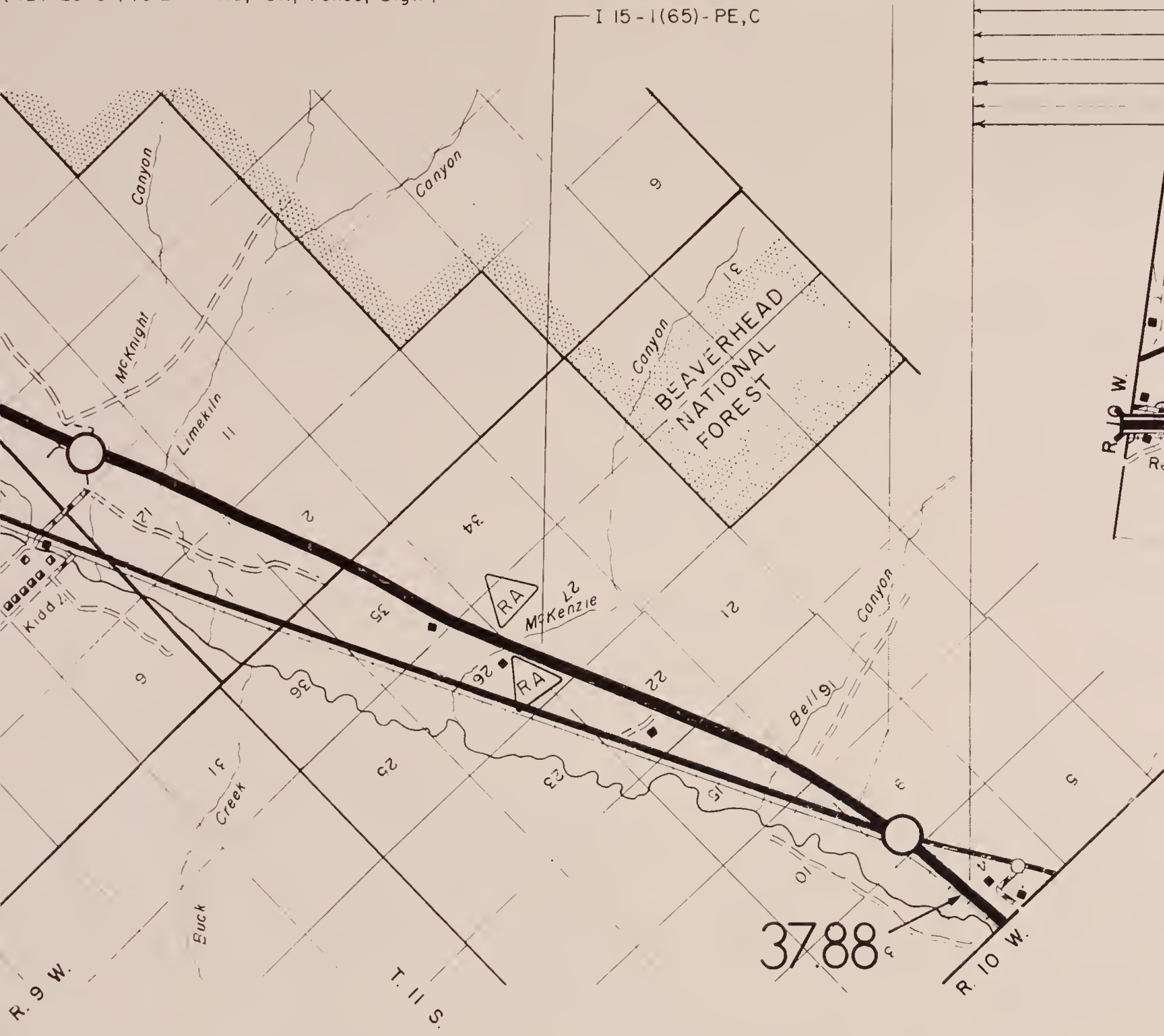








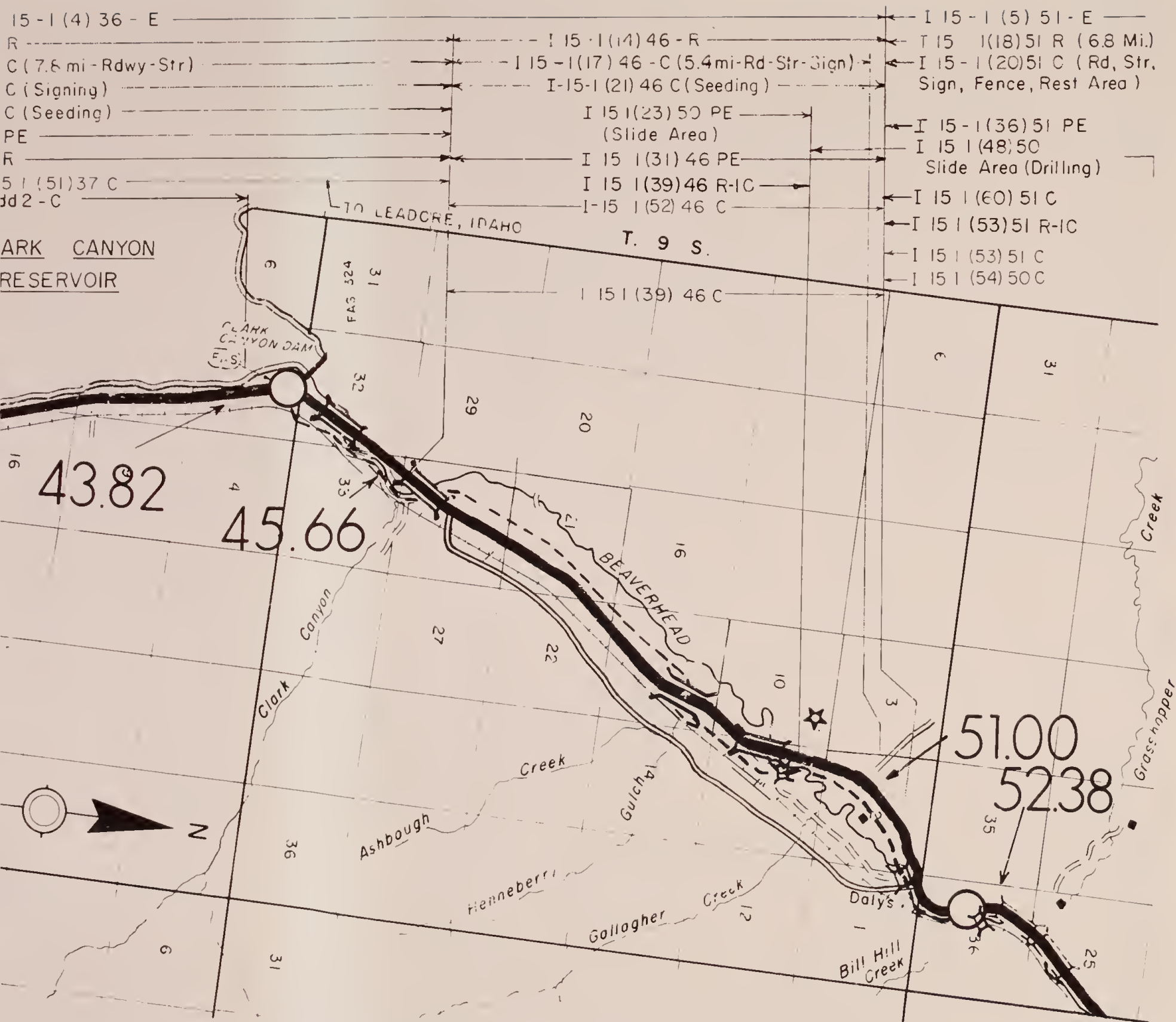
I-15-1-(22) 23 R-1C  
(42) 23-C (152 mi Rd, Str, Fence, Sign)



- I 15-1(4) 36 - E
- I 15-1(10) 37 - R
- I 15-1(11) 37 - C (7.6 mi - Rdwy - Str)
- I 15-1(15) 37 - C (Signing)
- I 15-1(16) 37 - C (Seeding)
- I 15 1(32) 37 PE
- I 15 1(38) 37 R



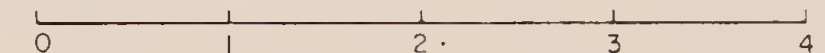




## LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



# MONTANA

## INTERSTATE ROUTE 15

Sheet 1 of 8

Date DECEMBER 31, 1975

I-15 - I (5) 51 - PE  
J-15 - I (20) 51-C (Rd, Str, Sign, Fence, Rest Area)  
I-15 - I (18) 51-R (6.8 mi)  
LSI 15-I(1) 53 C (Rest Area)

I 15-I (25) 64 R  
I-15-I (29) 64 (Grade, Str., Fence)  
I 15 I (58) 64 (Surf, Sign, Gr Rail, Er. C)

I 15-I (36) 51 PE  
I 15-I (54) 50 C

I 15-I (26) 58 R

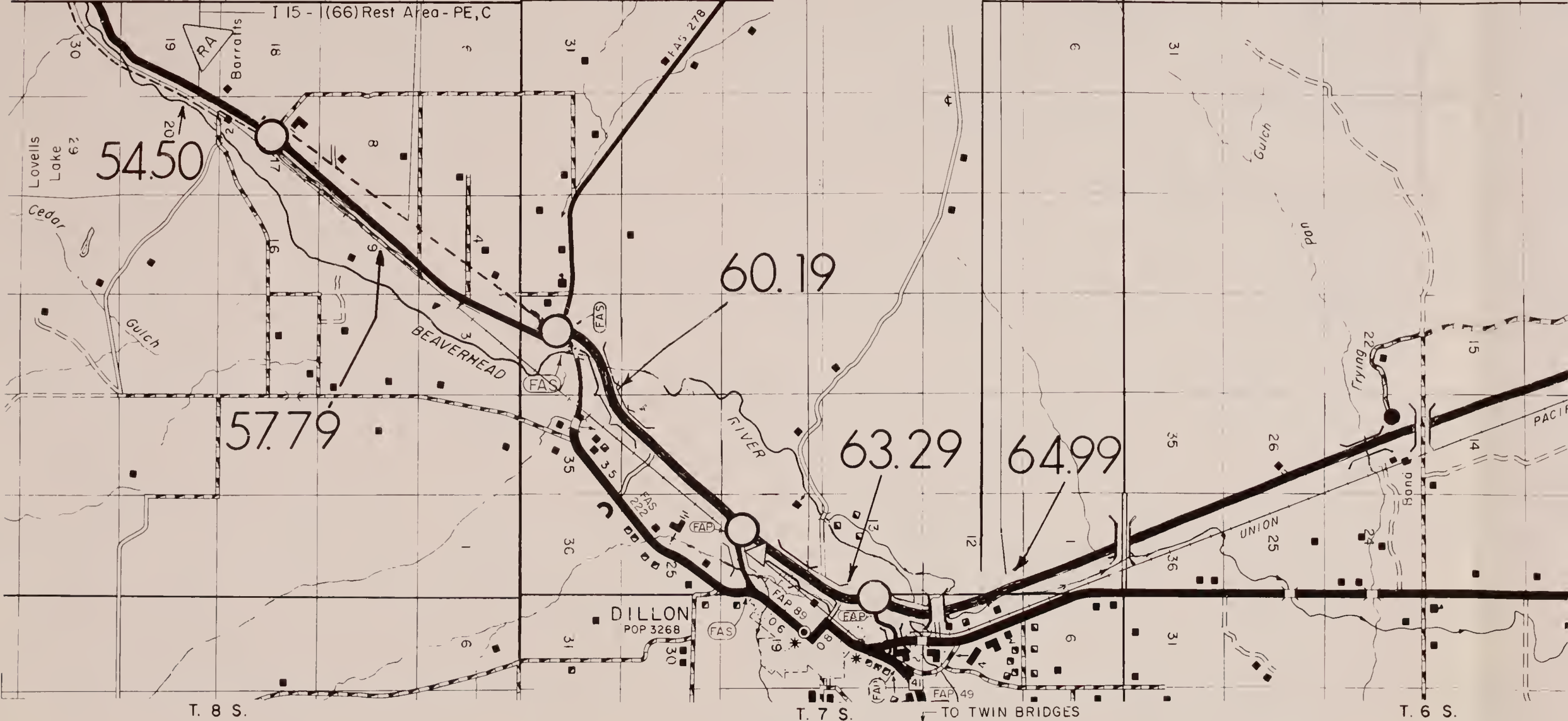
TO WISDOM

I 15 I (49) 62 Rd-Str

I 15 I (49) 62 C

I 15-I (27) 58 C

I 15 - (66) Rest Area - PE, C



T. 8 S.

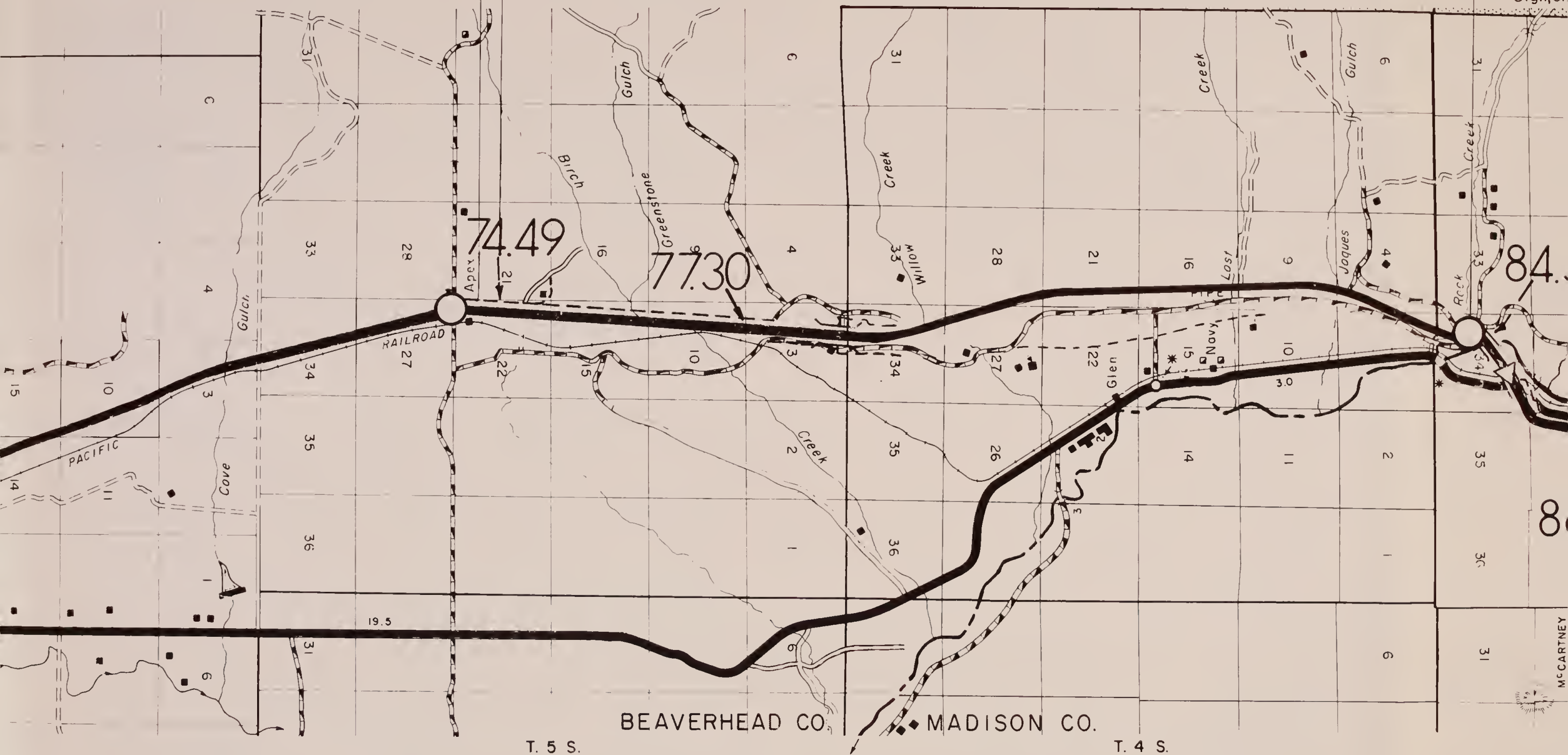
T. 7 S.

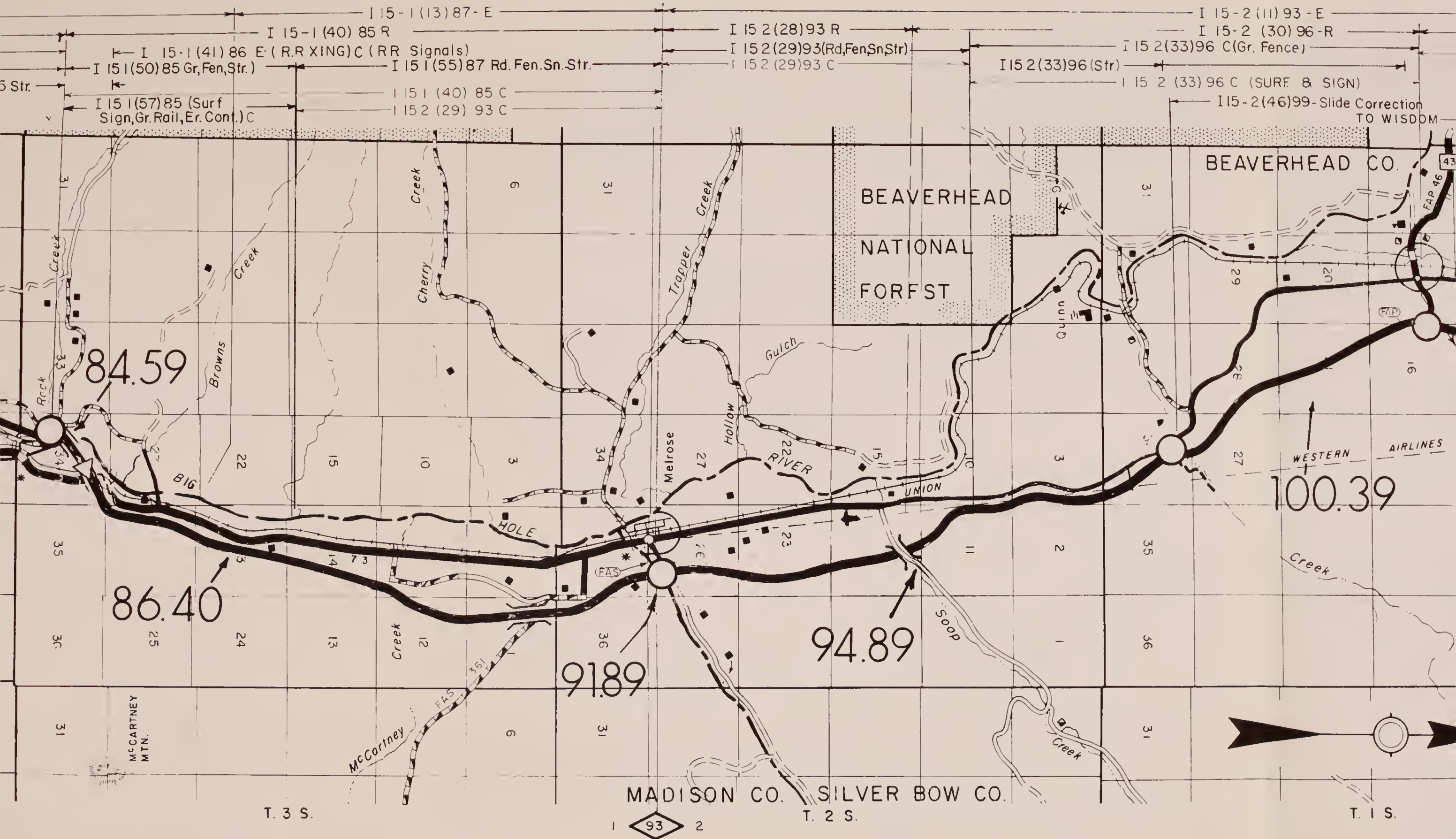
TO TWIN BRIDGES

T. 6 S.

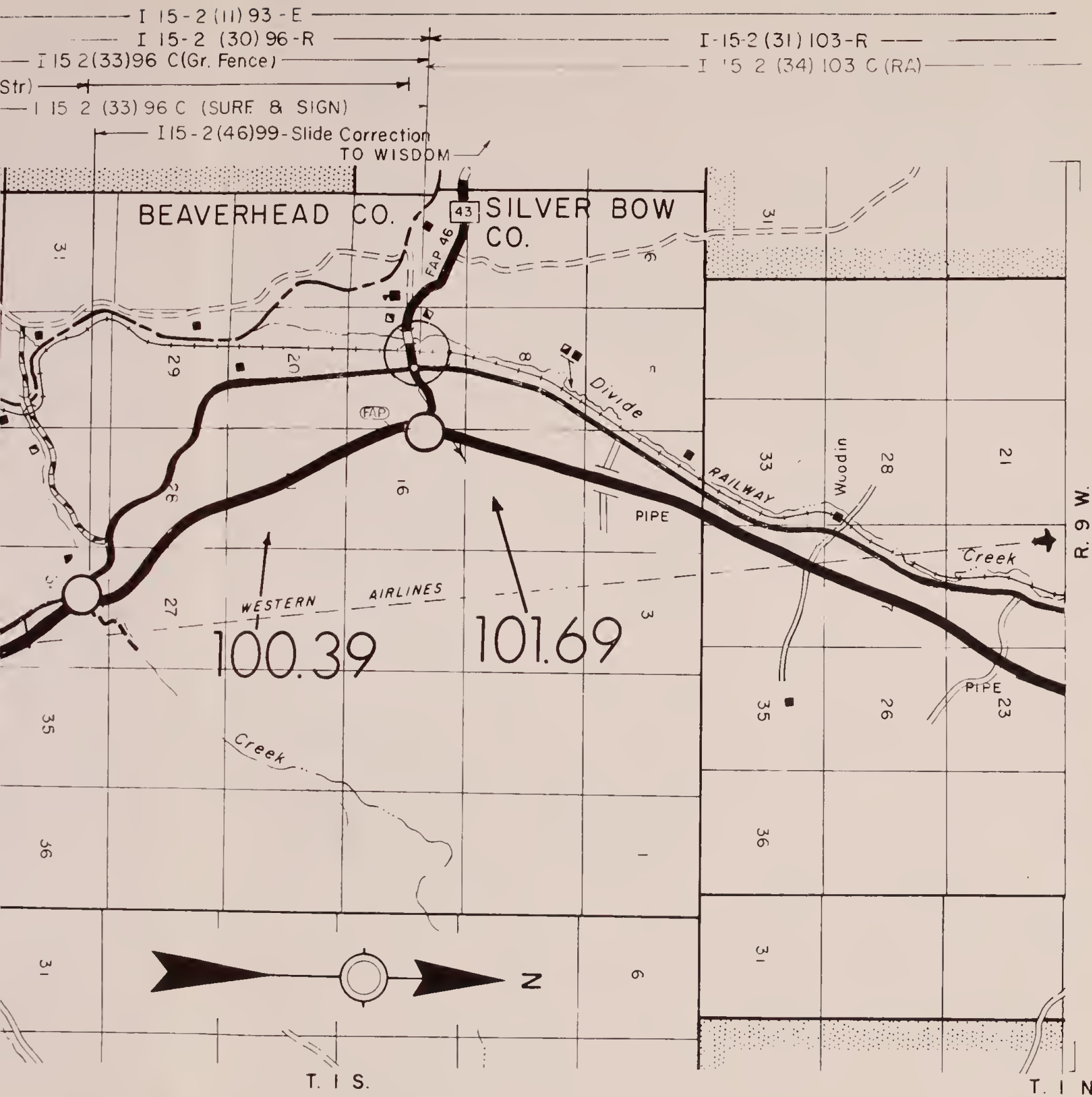


I-IG 15-1 (6) 65-E  
64 R  
Str., Fence)  
gn, Gr Rail, Er. Cont.)  
I 15-1 (28) 75-R  
I 151 (30) 75 (Gr, Str, Fence)  
I 151 (59) 75 (Surf. Sign Gr. Rail Er. Cont.)  
I 151 (56) 85 Str.  
I 151 (5) Sign, Gr





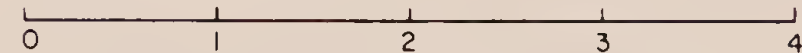




## LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES

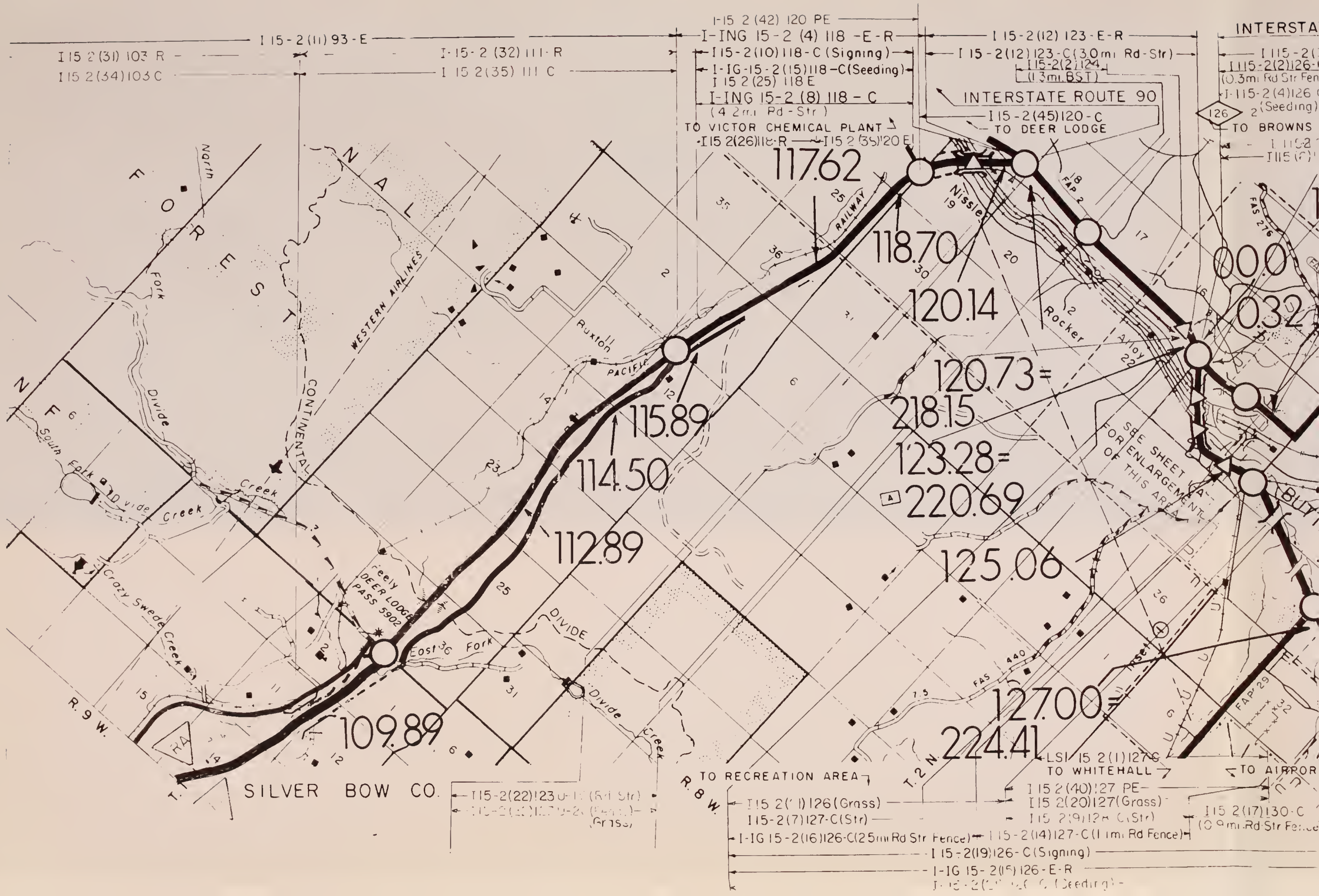


# MONTANA

INTERSTATE ROUTE 15

Sheet 2 of 8

Date DECEMBER 31, 1975



I 15-2(31) 103 R -  
I 15-2(34) 103 C

I 15-2(11) 93-E

I 15-2(32) 111-R  
I 15-2(35) 111 C

I-15 2(42) 120 PE  
I-ING 15-2(4) 118-E-R  
I 15-2(10) 118-C (Signing)  
I-IG 15-2(15) 118-C (Seeding)  
I 15-2(25) 118 E  
I-ING 15-2(8) 118-C  
(4 2 mi. Rd-Str)  
TO VICTOR CHEMICAL PLANT  
I 15-2(26) 118-R I 15-2(35) 120 E

I 15-2(12) 123-E-R  
I 15-2(12) 123-C (3.0 mi Rd-Str)  
I 15-2(2) 124  
(1.3 mi. BST)  
INTERSTATE ROUTE 90  
I 15-2(45) 120-C  
TO DEER LODGE

INTERSTA  
I 115-2(1)  
I 115-2(2) 126-  
(0.3 mi Rd Str Fen  
I-115-2(4) 126  
2 (Seeding)  
126  
TO BROWNS  
I 115-2  
I 115-2

117.62

118.70

120.14

120.73=

218.15

123.28=

220.69

125.06

127.00

224.41

115.89

114.50

112.89

109.89

000.0

032

SILVER BOW CO.

I 15-2(22) 123 U-1 (Rd Str)  
I 15-2(21) 127 U-2 (Fence)  
(Grass)

TO RECREATION AREA

I 15-2(1) 126 (Grass)  
I 15-2(7) 127-C (Str)

I-IG 15-2(16) 126-C (25 mi Rd Str Fence)

I 15-2(19) 126-C (Signing)

I-IG 15-2(15) 126-E-R

I 15-2(1) 126-C (Seeding)

LSI 15-2(1) 127-C  
TO WHITEHALL

I 15-2(40) 127 PE

I 15-2(20) 127 (Grass)

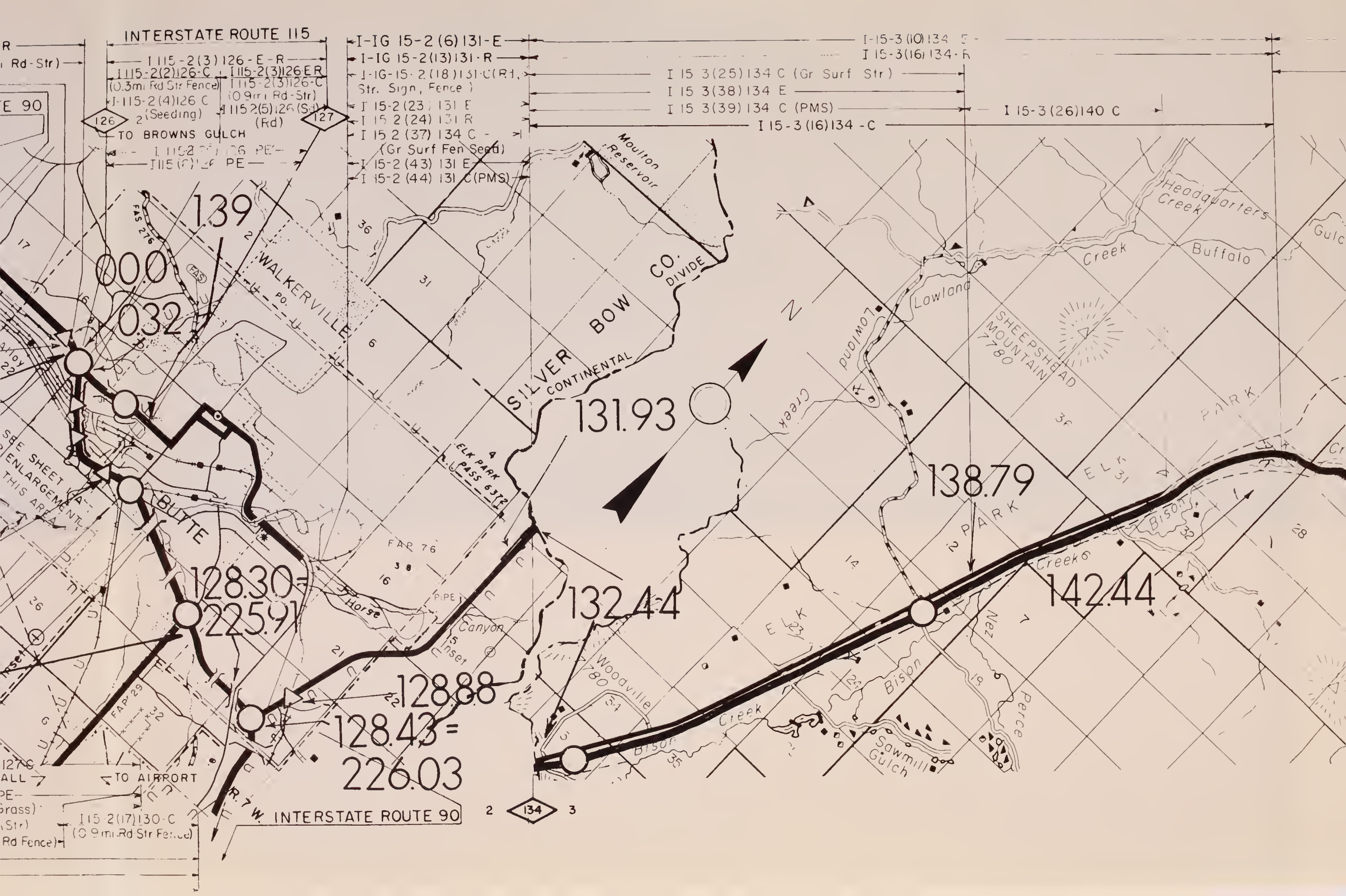
I 15-2(9) 128-C (Str)

I 15-2(14) 127-C (1 mi Rd Fence)

I 15-2(17) 130-C  
(0.9 mi Rd Str Fence)

TO AIRPORT









JEFFERSON CO.

153.74 BK= 155.94 AM  
EQUA  
+7.9

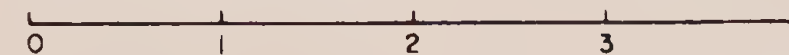
E --- I 15-3(2) 155 --- I 15-3(3) 157-E  
 R --- I 15-3(14) 155-R --- I 15-3(21) 162 (Gr Str) C  
 (STR) --- I 15-3(31) 155 STR --- I 15-3(20) 155 C (Gr. Surf, PMB, Sn, Fn, Str) --- I 15-3(27) 162 (Surf Sn) C  
 C (STR) ---  
 C (STR) ---  
 C (STR) ---



## LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



# MONTANA

INTERSTATE ROUTE 15

Sheet 3 of 8

Date DECEMBER 31, 1975

INTERSTATE ROUTE 115

(COMPLETE ROUTE ON THIS SHEET.)









RUN DATE: 08/02/84

1985 INTERSTATE COST ESTIMATE

LE15R85A  
PAGE: 1

STATE: MONTANA

CODE: 30

ROUTE: I 090

TABLE B  
DESIGN CLASSIFICATION AND COST ESTIMATE  
BY ESTIMATE SECTION

ESTIMATE SECTION MILE POST

ITEM	.00	27.30	32.40	35.00	38.42	38.60
1. FINANCE CODE	20	22	22	20	21	21
2. SECTION LENGTH, MILES (0.01)	27.30	5.10	2.60	3.40	.20	1.60
3. CLASS: RURAL (R) OR URBAN AREA I.D. (NAME AND CODE)	000	R	R	000	R	R
4. MILEAGE INCREMENT: CODE (1, 2 OR 3)		1	1		1	1
5. ROUTE SIGNIFICANCE: CODE (N OR L)		N	N		N	N
6. DESIGN SPEED (V)		60	70		70	70
7. BASE YEAR TRAFFIC (1982 ADT)	0	3,090	3,090	0	3,860	3,860
8. TRAFFIC A. DESIGN YEAR (19 ) OR (20 )		4	4		5	5
B. ADT DESIGN YEAR		5,920	5,920		7,620	7,620
C. DMV DESIGN YEAR		800	800		1,040	1,040
D. D. DIRECTION DISTRIBUTION FACTOR		55	55		55	55
E. T. % TRUCK DESIGN YEAR DMV		18	18		18	18
F. T. % TRUCK DESIGN YEAR (ADT)		24	24		24	24
9. NO. LANES TO BE CONSTRUCTED THIS ESTIMATE		0	0		0	0
10. ULTIMATE NO. THROUGH TRAFFIC LANES		4	4		4	4
11. TYPICAL CROSS SECTION REFERENCE		30	30		30	50
12. RIGHT-OF-WAY WIDTH: PREVAILING		300	300		400	300
13. MEDIAN WIDTH: PREVAILING		68	46		168	68
14. DEVELOPMENT DEC. 31, 1983 (PR-511)		3A20	3A20		3A20	3A20
WORK CLASSIFICATION						
1. PRELIMINARY ENGINEERING		10	5		0	0
2. RIGHT-OF-WAY A. ACQUISITION		0	0		0	0
B. RELOCATION		0	0		0	0
3. UTILITY ADJUSTMENT		0	0		0	0
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STR.		0	0		4	34
5. SUBBASE; BASE; SURFACING; SHOULDERS		2,203	1,134		99	840
6. R.R. GRADE SEPARATIONS		0	0		0	0
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS		0	0		0	0
8. INTERCHANGES		0	0		0	0
9. OTHER BRIDGES, TUNNELS AND WALLS		417	215		0	0
10. TRAFFIC CONTROL DEVICES		183	94		1	6
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES	0	0	0	0	0	0
12. SAFETY WORK ON COMPLETED SECTIONS	0	0	0	0	0	0
13. NOISE ABATEMENT MEASURES	0	0	0	0	0	0
14. ROADSIDE IMPROVEMENTS A. LANDSCAPING PLANTING	0	0	0	0	0	0
B. REST AREAS AND OVERLOOKS	0	0	0	0	0	0
15. ALL OTHER ITEMS: MAINT TRAF., TRAINING, MOBIL., ETC.	0	178	92	0	5	47
16. SUBTOTAL, LINE 4 THRU 15	0	2,981	1,535	0	109	927
17. CONSTRUCTION ENGINEERING & CONTINGENCIES, 15% OF LINE 16	0	447	230	0	16	139
18. TOTAL COSTS OF CONSTRUCTION, LINES 16 AND 17	0	3,428	1,765	0	125	1,066
19. TOTAL ESTIMATE COST, LINES 1, 2, 3 AND 18	0	3,438	1,770	0	125	1,066

ESTIMATED COSTS (1,000 DOLLARS)

RUN DATE: 08/02/84

1985 INTERSTATE COST ESTIMATE

LE15R85A  
PAGE: 2

STATE: MONTANA

CODE: 30

ROUTE: I 090

TABLE 8  
DESIGN CLASSIFICATION AND COST ESTIMATE  
BY ESTIMATE SECTION

ESTIMATE SECTION MILE POST

ITEM	40.20	43.10	142.64	248.30	339.43	348.76
1. FINANCE CODE	21	20	20	20	22	20
2. SECTION LENGTH, MILES (0.01)	2.90	99.60	97.80	91.10	9.30	99.10
3. CLASS: RURAL (R) OR URBAN AREA I.D. (NAME AND CODE)	R	000	000	000	R	000
4. MILEAGE INCREMENT: CODE (1,2 OR 3)	1				1	
5. ROUTE SIGNIFICANCE: CODE (N OR L)	N				N	
6. DESIGN SPEED(V)	70				70	
7. BASE YEAR TRAFFIC (1982 ADT)	3,860	0	0	0	4,440	0
8. TRAFFIC A. DESIGN YEAR (19 ) OR (20 )	5				5	
B. ADT DESIGN YEAR	7,620				9,800	
C. DHV DESIGN YEAR	1,040				1,200	
D. D. DIRECTION DISTRIBUTION FACTOR	55				55	
E. T. % TRUCK DESIGN YEAR DHV	18				20	
F. T. % TRUCK DESIGN YEAR (ADT)	24				26	
9. NO. LANES TO BE CONSTRUCTED THIS ESTIMATE	0				2	
10. ULTIMATE NO. THROUGH TRAFFIC LANES	4				4	
11. TYPICAL CROSS SECTION REFERENCE	50				20	
12. RIGHT-OF-WAY WIDTH: PREVAILING	300				350	
13. MEDIAN WIDTH: PREVAILING	68				46	
14. DEVELOPMENT DEC. 31, 1983 (PR-511)	3A20				2A2F	

WORK CLASSIFICATION

ESTIMATED COSTS (1,000 DOLLARS)

1. PRELIMINARY ENGINEERING	0				40	
2. RIGHT-OF-WAY A. ACQUISITION	0				0	
B. RELOCATION	0				0	
3. UTILITY ADJUSTMENT	0				0	
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STR.	62				3,531	
5. SUBBASE; BASE; SURFACING; SHOULDERS	1,532				4,508	
6. R.R. GRADE SEPARATIONS	0				0	
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS	0				563	
8. INTERCHANGES	0				1,330	
9. OTHER BRIDGES, TUNNELS AND WALLS	0				271	
10. TRAFFIC CONTROL DEVICES	11				471	
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES	0	0	0	0	0	0
12. SAFETY WORK ON COMPLETED SECTIONS	0	0	0	0	0	0
13. NOISE ABATEMENT MEASURES	0	0	0	0	0	0
14. ROADSIDE IMPROVEMENTS A. LANDSCAPING PLANTING	0	0	0	0	0	0
B. REST AREAS AND OVERLOOKS	0	0	0	0	0	0
15. ALL OTHER ITEMS: MAINT TRAF., TRAINING, MOBIL., ETC.	86	0	0	0	639	0
16. SUBTOTAL, LINE 4 THRU 15	1,691	0	0	0	11,313	0
17. CONSTRUCTION ENGINEERING & CONTINGENCIES, 15% OF LINE 16	254	0	0	0	1,697	0
18. TOTAL COSTS OF CONSTRUCTION, LINES 16 AND 17	1,945	0	0	0	13,010	0
19. TOTAL ESTIMATE COST, LINES 1, 2, 3 AND 18	1,945	0	0	0	13,050	0

RUN DATE: 08/02/84

1985 INTERSTATE COST ESTIMATE

LE15R85A  
PAGE: 3

STATE: MONTANA

CODE: 30

TABLE B  
DESIGN CLASSIFICATION AND COST ESTIMATE  
BY ESTIMATE SECTION

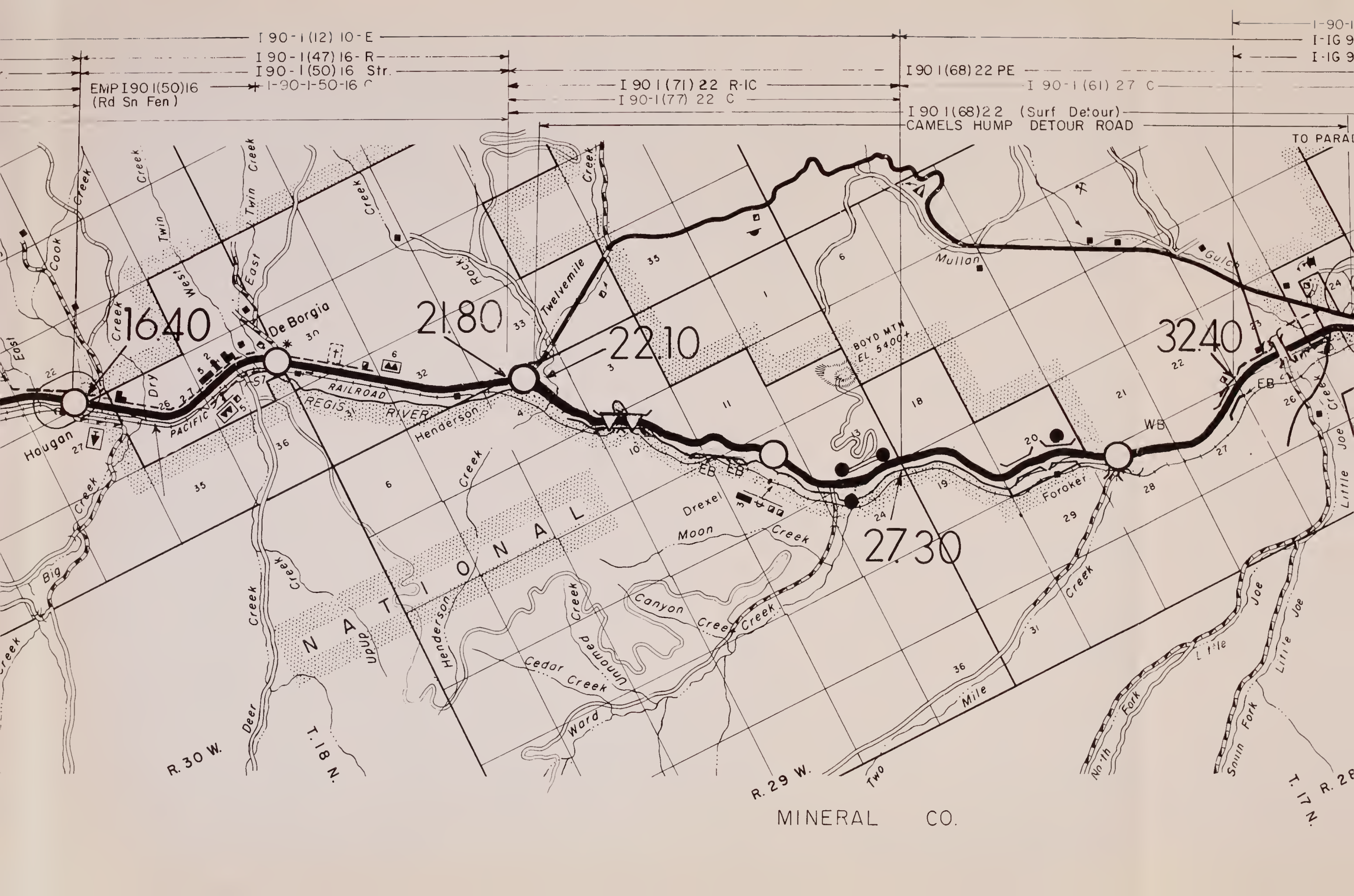
ROUTE: I 090

ITEM	ESTIMATE SECTION MILE POST				TOTAL
	447.80	515.29	525.30	527.09	
1. FINANCE CODE	20	21	21	20	
2. SECTION LENGTH, MILES (0.01)	69.00	10.00	1.80	22.90	543.70
3. CLASS: RURAL (R) OR URBAN AREA I.D. (NAME AND CODE)	000	R	R	000	
4. MILEAGE INCREMENT: CODE (1,2 OR 3)		L	L		
5. ROUTE SIGNIFICANCE: CODE (N OR L)		N	N		
6. DESIGN SPEED (V)		70	70		
7. BASE YEAR TRAFFIC (1982 ADT)	0	2,020	2,020	0	
8. TRAFFIC A. DESIGN YEAR (19 ) OR (20 )		5	5		
B. ADT DESIGN YEAR		6,200	6,200		
C. DHV DESIGN YEAR		800	800		
D. D. DIRECTION DISTRIBUTION FACTOR		55	55		
E. T. % TRUCK DESIGN YEAR DHV		9	9		
F. T. % TRUCK DESIGN YEAR (ADT)		16	16		
9. NO. LANES TO BE CONSTRUCTED THIS ESTIMATE		0	0		
10. ULTIMATE NO. THROUGH TRAFFIC LANES		4	4		
11. TYPICAL CROSS SECTION REFERENCE		30	30		
12. RIGHT-OF-WAY WIDTH: PREVAILING		400	400		
13. MEDIAN WIDTH: PREVAILING		68	68		
14. DEVELOPMENT DEC. 31, 1983 (PR-511)		1A3F	1A3F		
WORK CLASSIFICATION					
1. PRELIMINARY ENGINEERING		0	0		55
2. RIGHT-OF-WAY A. ACQUISITION		0	0		0
B. RELOCATION		0	0		0
3. UTILITY ADJUSTMENT		0	0		0
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STR.		638	112		4,381
5. SUBBASE; BASE; SURFACING; SHOULDERS		2,728	481		13,525
6. R.R. GRADE SEPARATIONS		0	0		0
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS		0	0		563
8. INTERCHANGES		0	0		1,330
9. OTHER BRIDGES, TUNNELS AND WALLS		0	0		903
10. TRAFFIC CONTROL DEVICES		27	5		798
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES	0	0	0	0	0
12. SAFETY WORK ON COMPLETED SECTIONS	0	0	0	0	0
13. NOISE ABATEMENT MEASURES	0	0	0	0	0
14. ROADSIDE IMPROVEMENTS A. LANDSCAPING PLANTING	0	0	0	0	0
B. REST AREAS AND OVERLOOKS	0	0	0	0	0
15. ALL OTHER ITEMS: MAINT TRAF., TRAINING, MOBIL., ETC.	0	205	36	0	1,288
16. SUBTOTAL, LINE 4 THRU 15	0	3,598	634	0	22,788
17. CONSTRUCTION ENGINEERING & CONTINGENCIES, 15% OF LINE 16	0	540	95	0	3,418
18. TOTAL COSTS OF CONSTRUCTION, LINES 16 AND 17	0	4,138	729	0	26,206
19. TOTAL ESTIMATE COST, LINES 1, 2, 3 AND 18	0	4,138	729	0	26,261
ESTIMATED COSTS (1,000 DOLLARS)					









EMPI 90 I(50)16  
(Rd Sn Fen)

I 90-I(12) 10-E  
I 90-I(47) 16-R  
I 90-I(50) 16 Str.  
I-90-I-50-16 C

I 90 I(71) 22 R-IC  
I 90-I(77) 22 C

I 90 I(68) 22 PE

I 90-I(61) 27 C

I 90 I(68)22 (Surf Detour)  
CAMELS HUMP DETOUR ROAD

TO PARADISE

1640

2180

2210

2730

3240

R. 30 W.

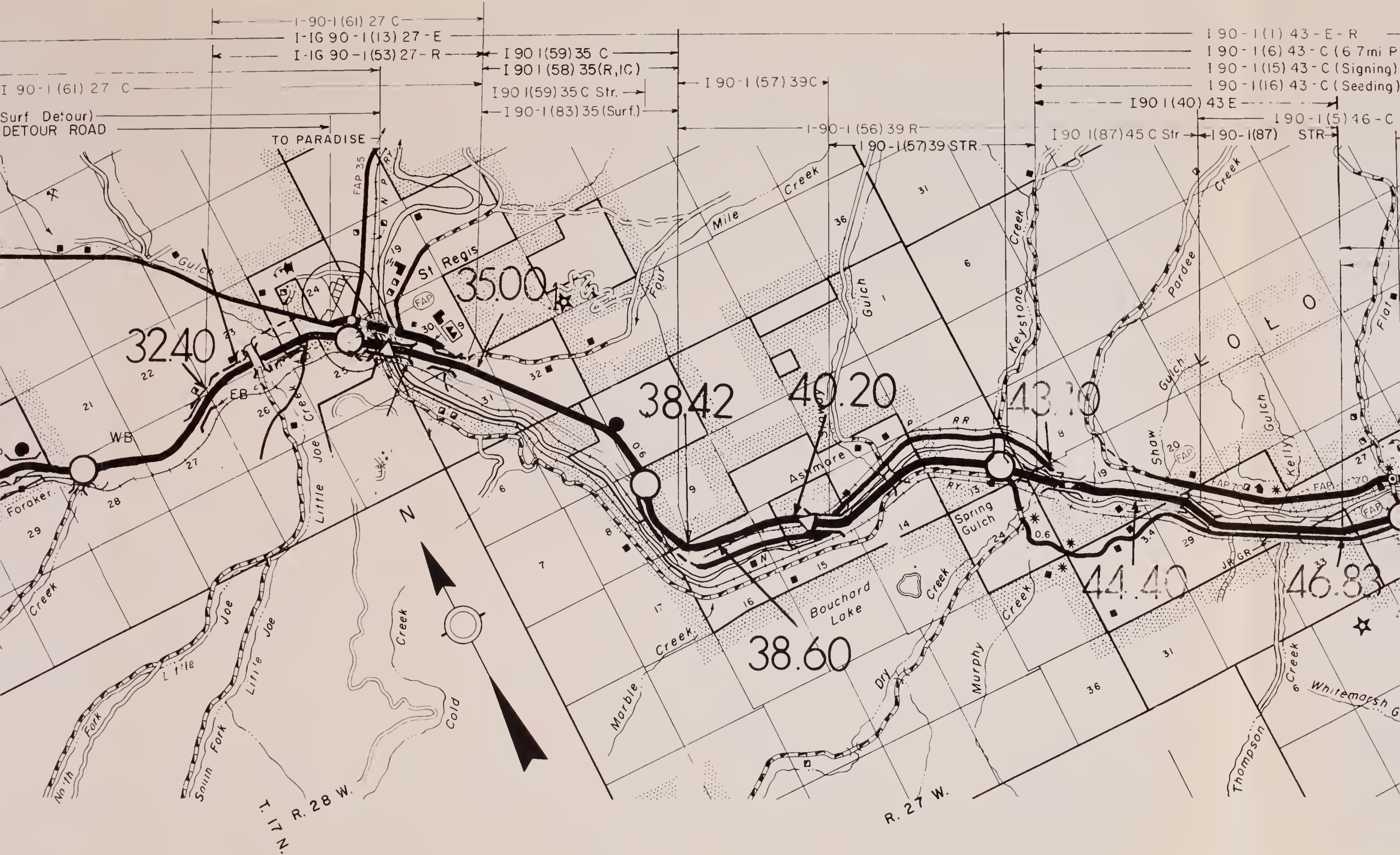
T. 18 N.

R. 29 W.

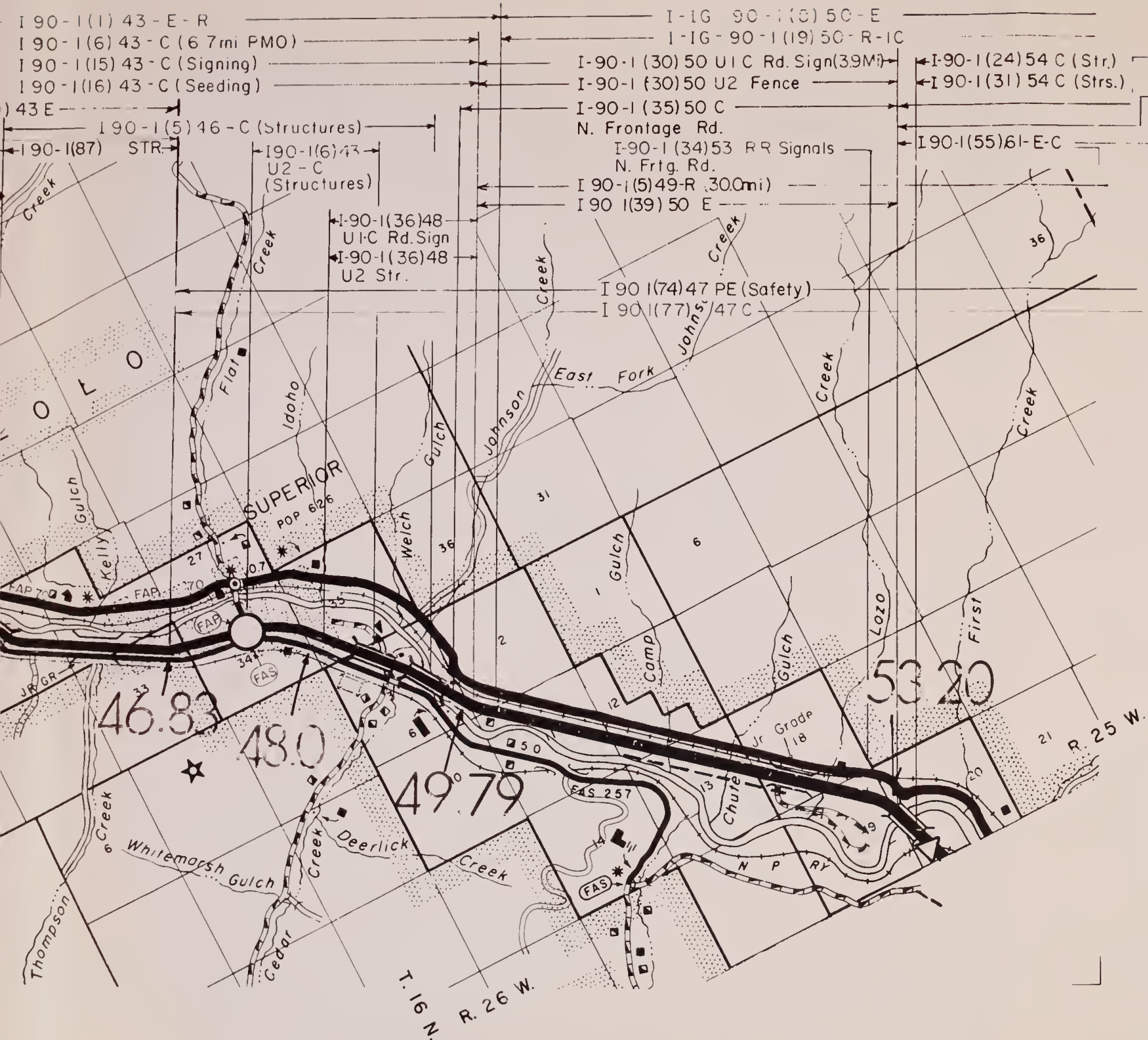
MINERAL CO.

T. 17 N.  
R. 28 W.





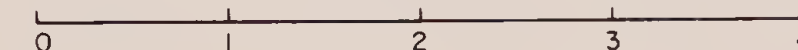




## LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4-5
- INTERSTATE LOCATION STEP 1-2-3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY-RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



# MONTANA

## INTERSTATE ROUTE 90

Sheet 1 of 11

Date December 31, 1975





E-R 10.  
-C (11.8 Mi. Rdwy. Str. Fence RR Line Change. Seal Coat)  
Signs)  
Seeding)  
(Safety) (Light Intrg's)  
- EHS I 90 7 (33) 327 (Safety)  
TO WHITE SULHUR SPRINGS  
90-7(40)332 Snow Fence

I-90-7(3)339 E-R-C (11.8 Mi. Rdwy Str)

I-90-7(5)339-C (SIGNING)

I-90-7(21)339 E

I 90 7 (27) 327 (Safety)

I-90-7(16)346 PE(Safety)

I-90-7(19)346 C(Median)

I 90-7(37)3

339.43

335.60

352.06

348.76

352.5

R. 10 E.

TO RURAL AREA

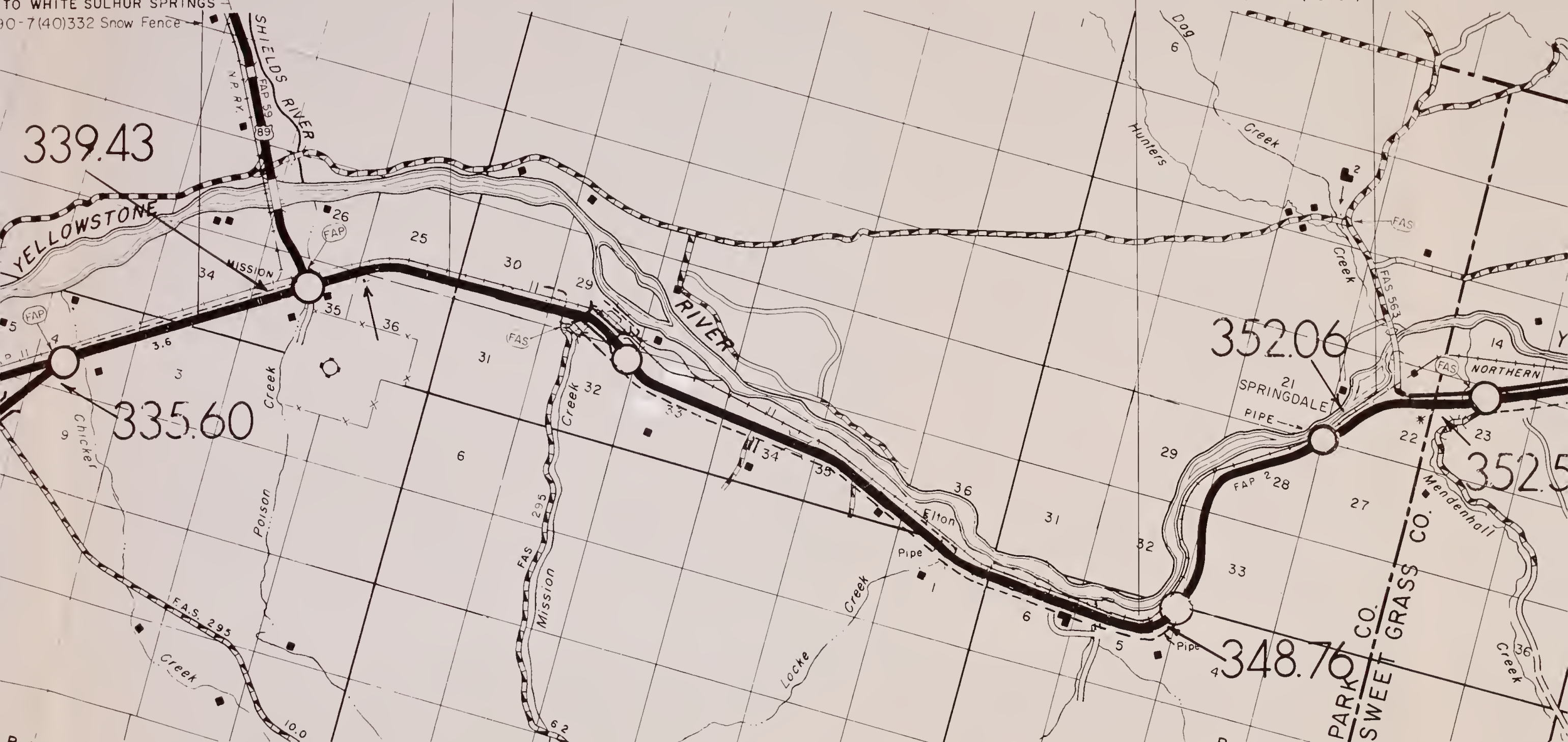
TO RURAL AREA

R. 11 E.

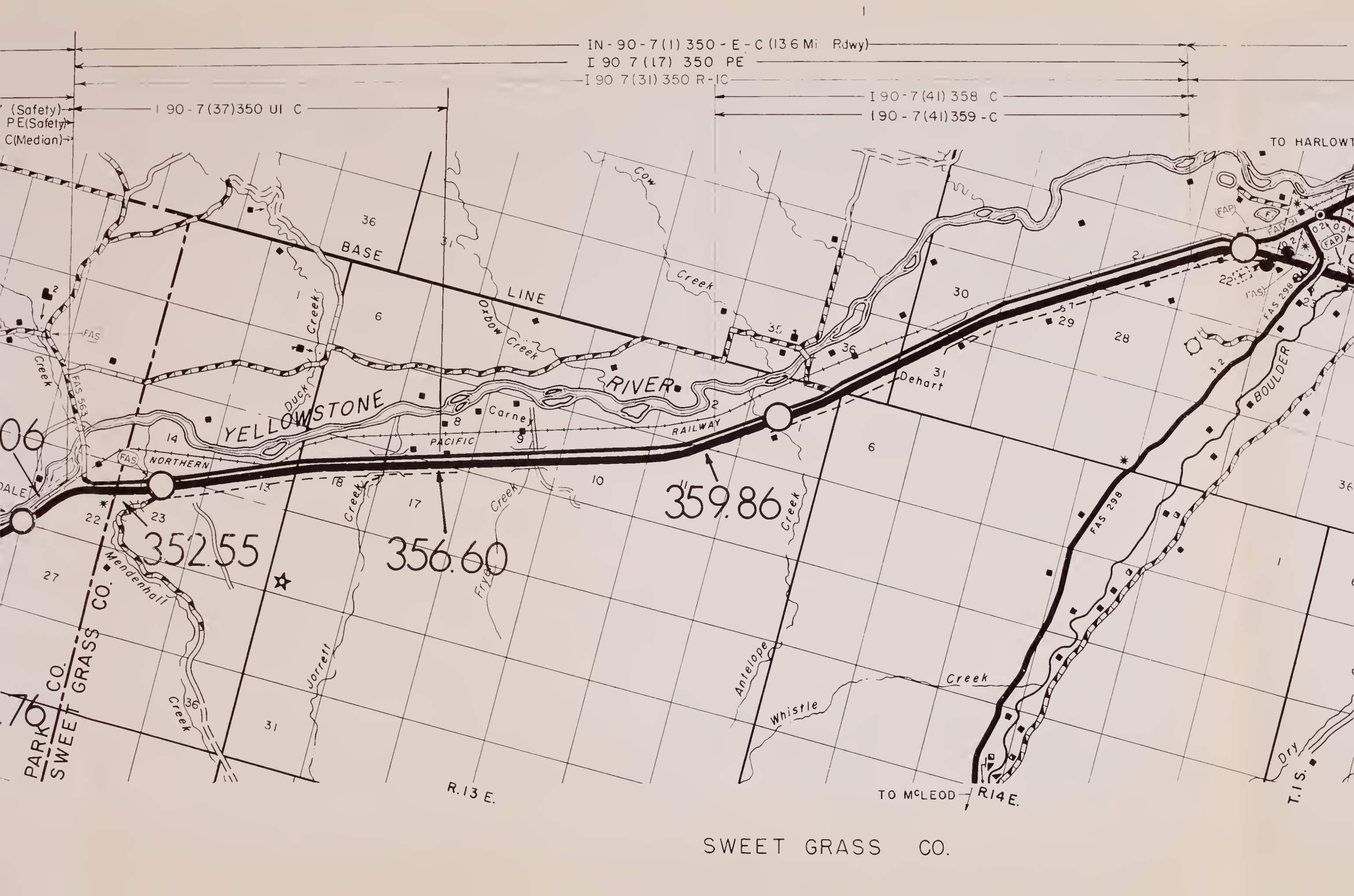
R. 12 E.

PARK CO.

PARK CO.  
SWEET GRASS CO.







IN-90-7(1) 350-E-C (136 Mi Rdwy)

I 90 7 (17) 350 PE

I 90 7 (31) 350 R-IC

I 90-7 (41) 358 C

I 90-7 (41) 359 -C

I 90-7 (37) 350 UI C

(Safety)  
PE(Safety)  
C(Median)

TO HARLOWT

36  
BASE

LINE

YELLOWSTONE

RIVER

RAILWAY

PACIFIC

NORTHERN

359.86

352.55

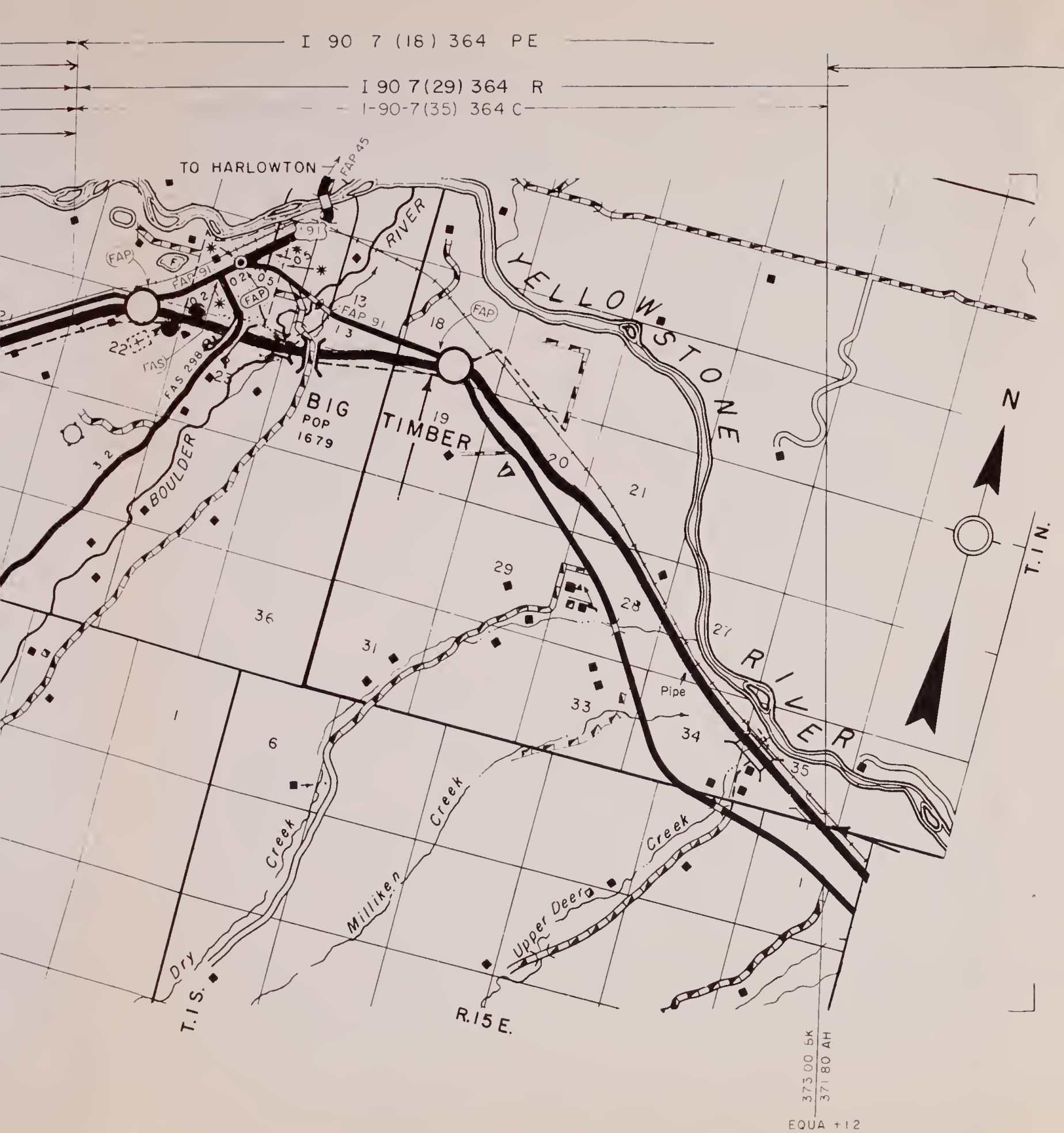
356.60

PARK CO.  
SWEET GRASS CO.

R.13 E.

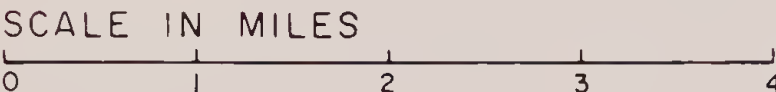
TO MCLEOD R.14 E.

SWEET GRASS CO.



LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS



MONTANA

INTERSTATE ROUTE 90

Sheet 7 of 11

Date December 31, 1975

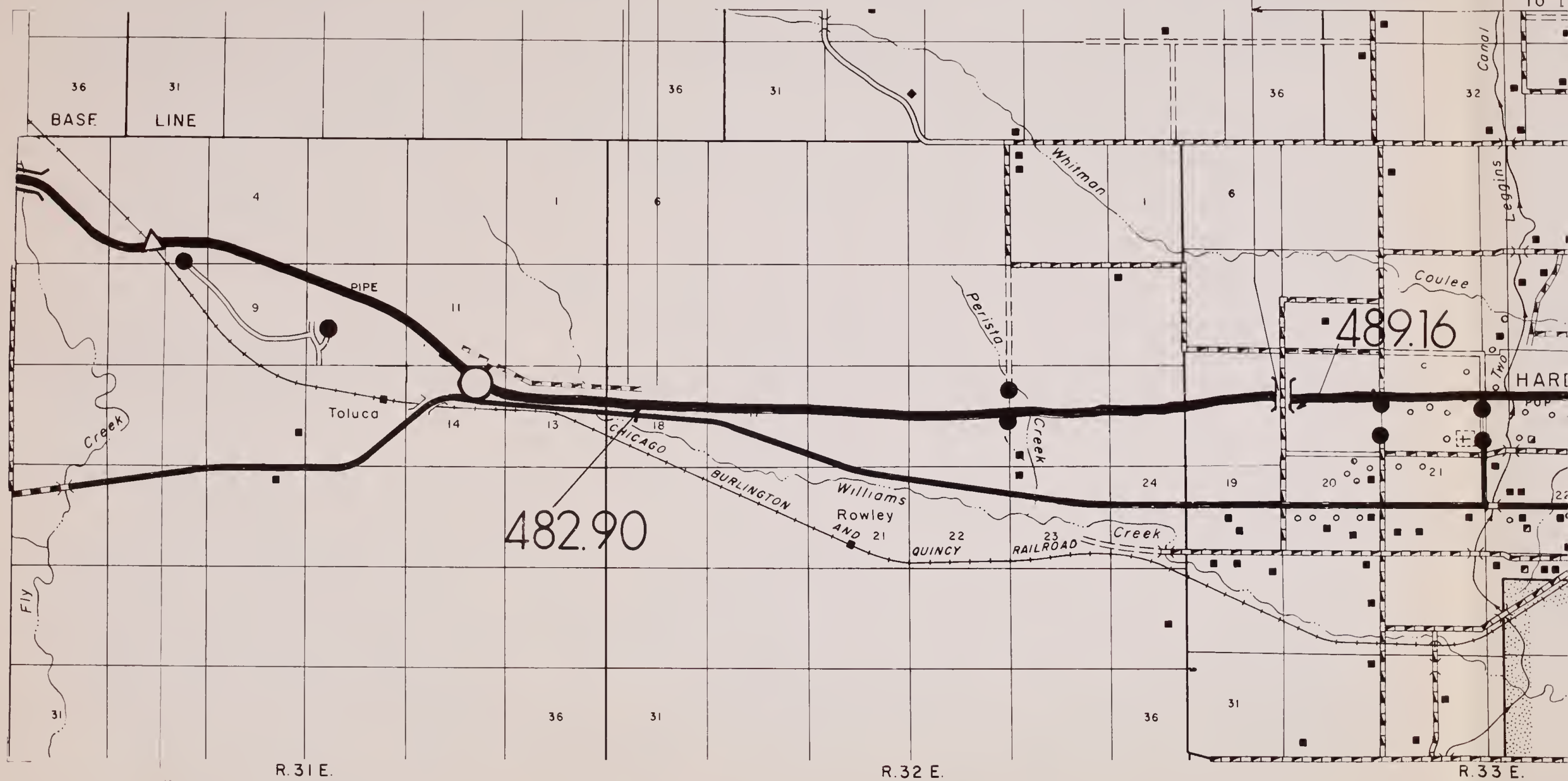


I-IG 90-9(8) 471-E

- I 90- 9(15) 483- R

1 90 - 9 (17) 483 - C (Rd.- Fence - 6.2 Mi

I 90 - 9 (30) 483 - C (Surf, Light, Sign)

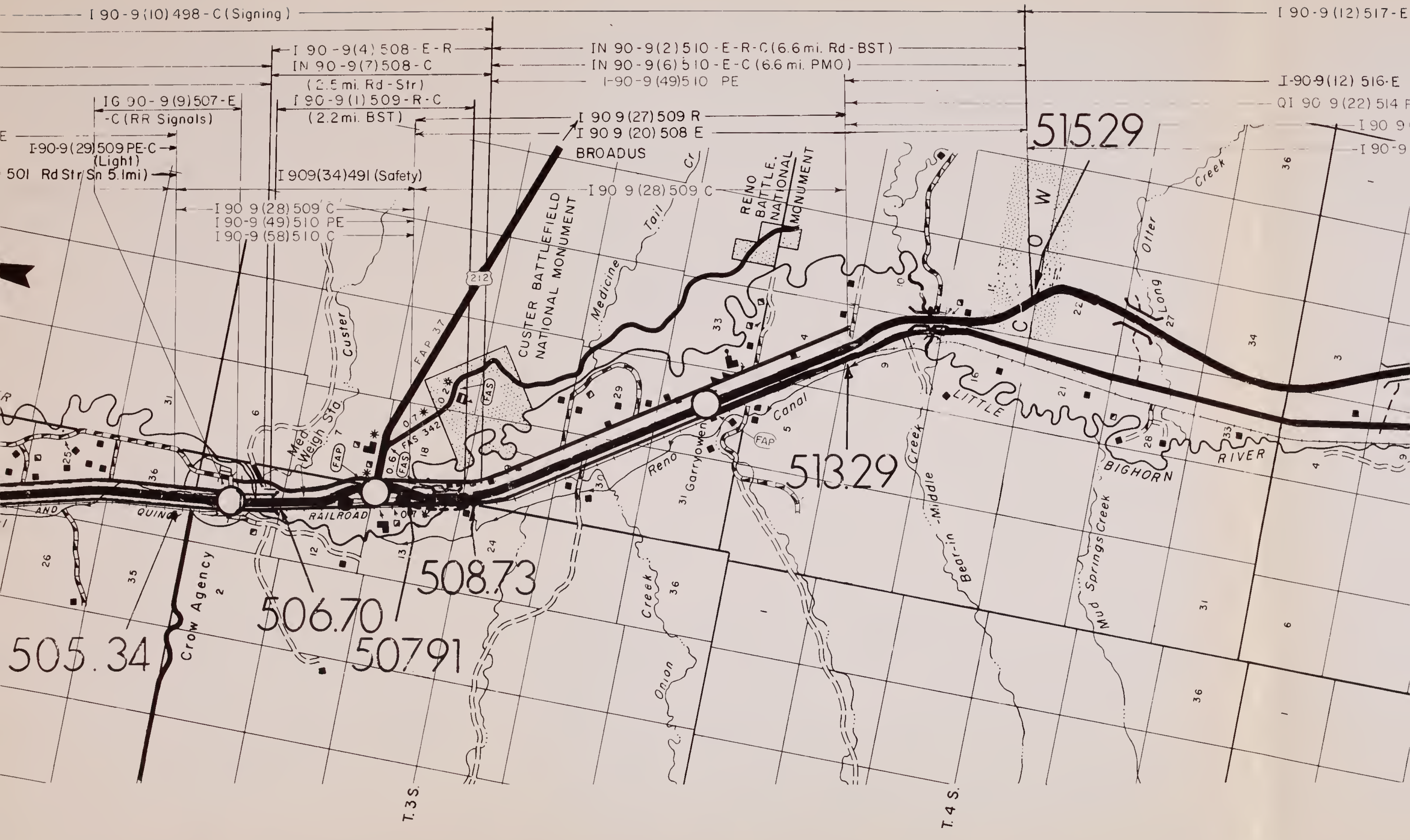


478.00	Er
477.00	Al

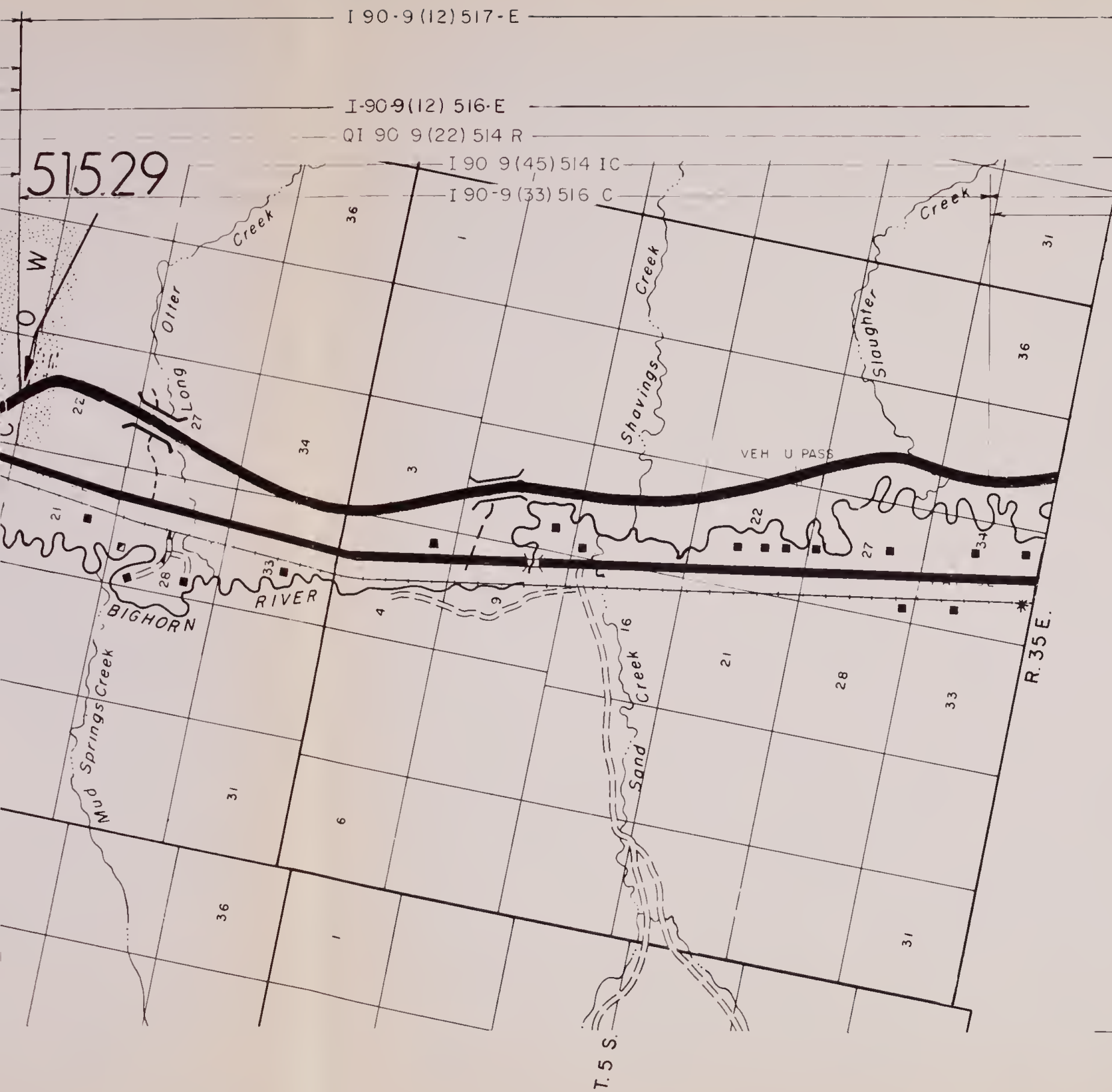
2004







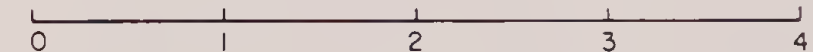




# LEGEND FOR INTERSTATE ROUTES

- INTERSTATE LOCATION STEP 4 - 5
- INTERSTATE LOCATION STEP 1 - 2 - 3
- INTERCHANGE
- HIGHWAY GRADE SEPARATION - NO CONNECTION
- RAILROAD GRADE SEPARATION
- COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
- OTHER BRIDGE
- TUNNEL
- TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
- FRONTAGE ROAD
- TERMINATED CROSS ROAD
- INTERSECTION AT-GRADE
- URBAN AREA BOUNDARY
- POST MILEAGE
- ROUTE SECTIONS

SCALE IN MILES



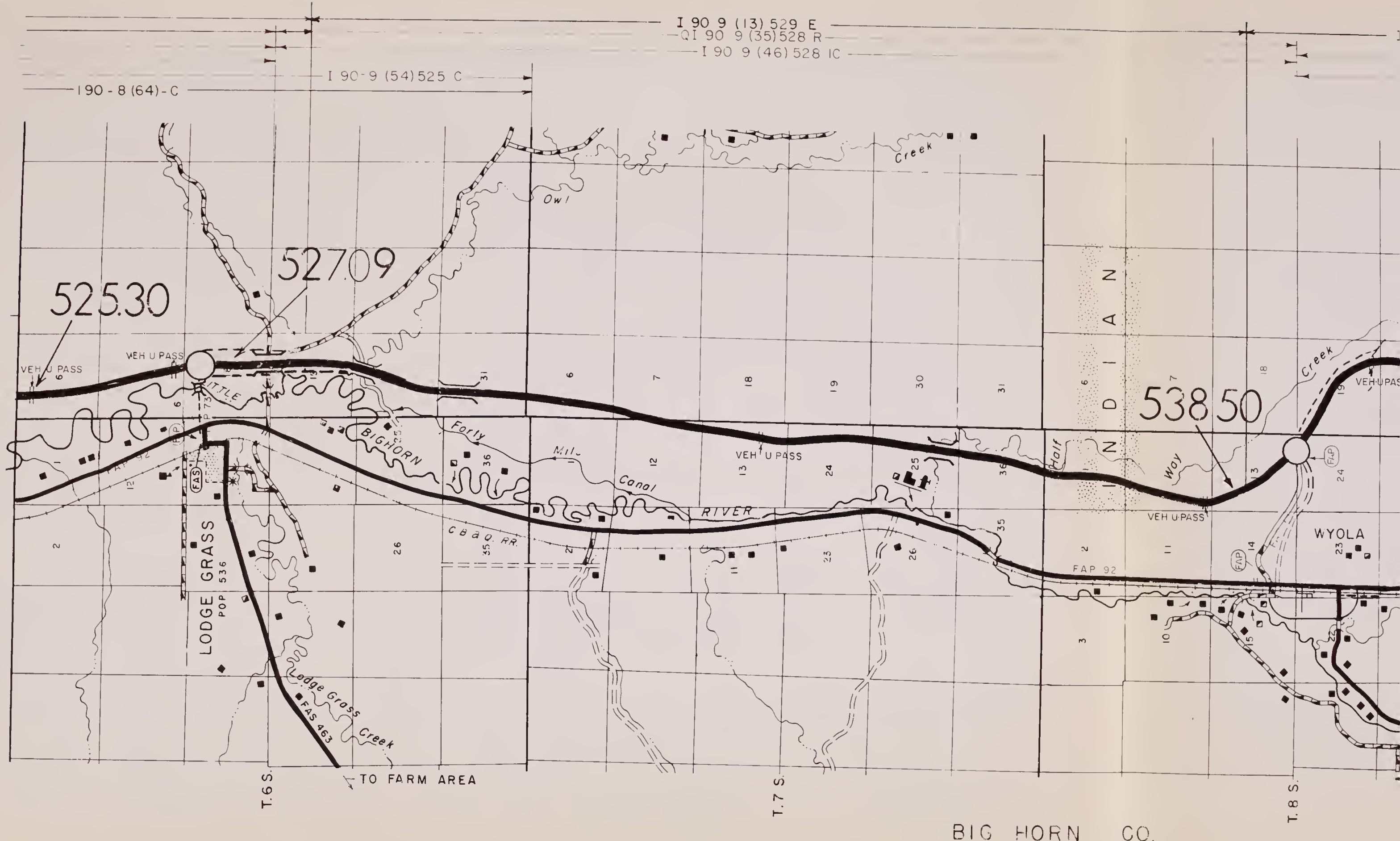
# MONTANA

INTERSTATE ROUTE 90

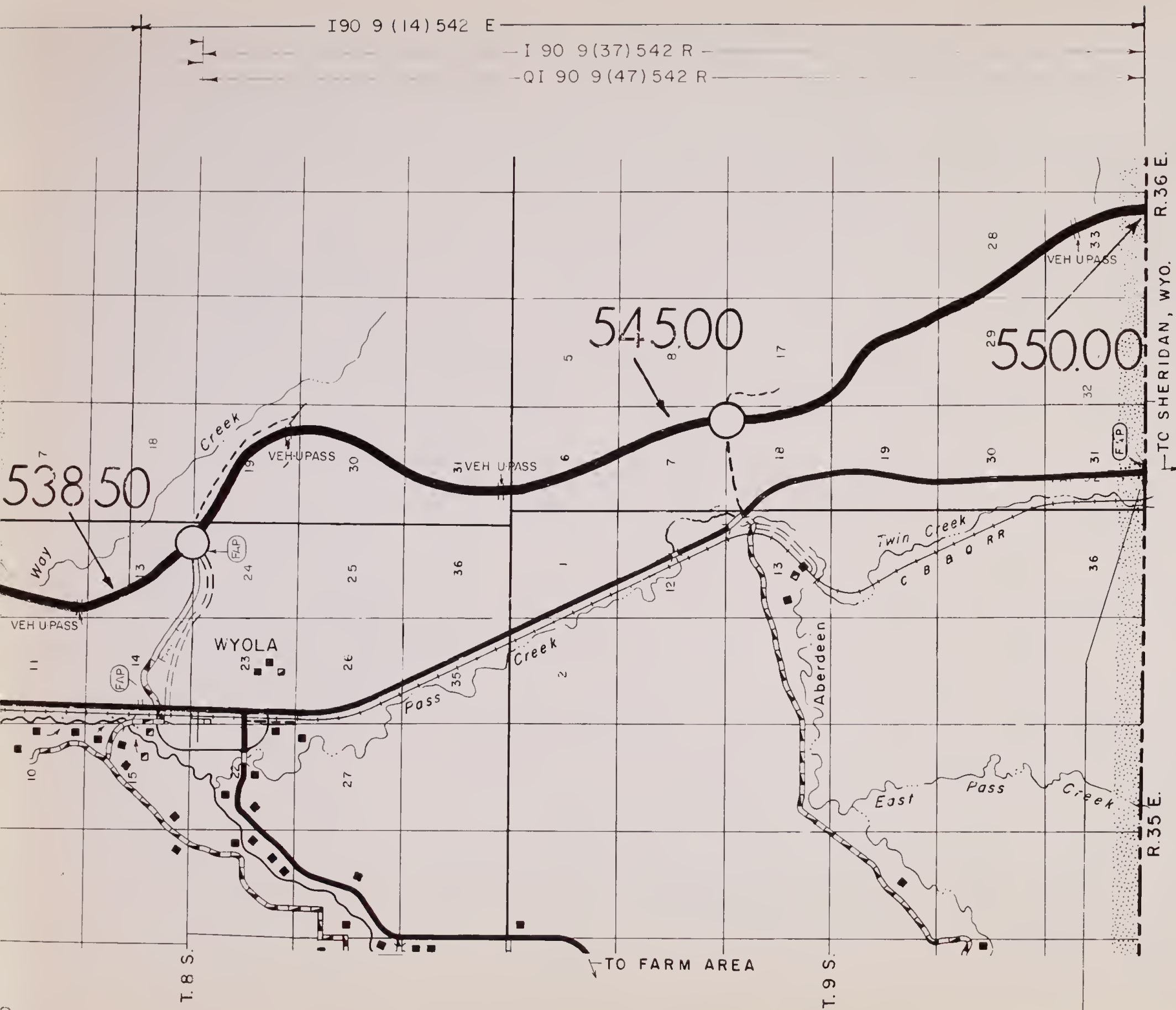
Sheet 10 of 11

Date December 31, 1975

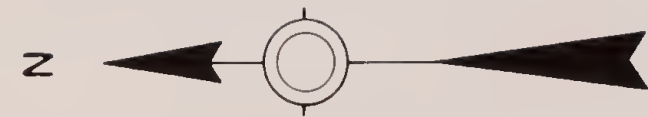


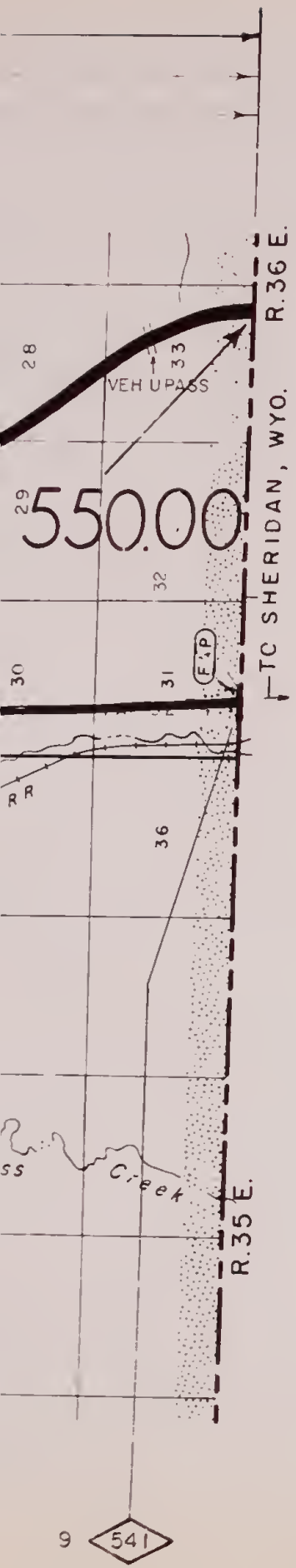


BIG HORN CO.

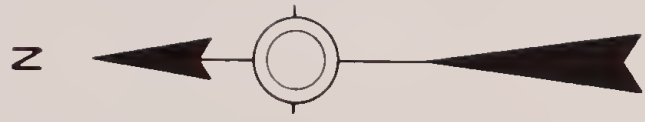


W Y O M I N G





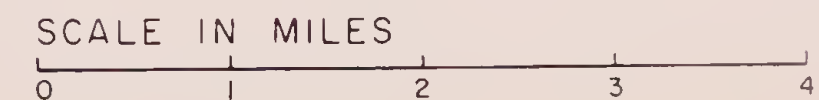
W  
Y  
O  
M  
I  
N  
G





# LEGEND FOR INTERSTATE ROUTE

	INTERSTATE LOCATION STEP 4 - 5
	INTERSTATE LOCATION STEP 1 2 3
	INTERCHANGE
	HIGHWAY GRADE SEPARATION - NO CONNE
	RAILROAD GRADE SEPARATION
	COMBINATION HIGHWAY - RAILROAD GRADE SEPARATION
	OTHER BRIDGE
	TUNNEL
<i>Toll</i>	TOLL BRIDGE, TUNNEL, HIGHWAY OR COMBINATION
	FRONTAGE ROAD
	TERMINATED CROSS ROAD
	INTERSECTION AT-GRADE
	URBAN AREA BOUNDARY
	POST MILEAGE
	ROUTE SECTIONS



# MONTANA

## INTERSTATE ROUTE 90

Sheet II of II

Date December 41 1975









RUN DATE : 07/23/84

1985 INTERSTATE COST ESTIMATE  
TABLE C-1 - COST ESTIMATES BY ROUTES AND STATE TOTAL  
STATE : MONTANA

LE15R93A  
PAGE NO. : 1

(INCLUDES ALL MILEAGE AND ALL COSTS TO COMPLETE THE SYSTEM, ALL FINANCE CODES)

INTERSTATE ROUTE NUMBER	015	090	T O T A L
LENGTH, MILES	395.24	543.70	938.94
WORK CLASSIFICATION			
1. PRELIMINARY ENGINEERING	175*	55*	230
2. R.O.W. A. ACQUISITION	0*	0*	0
B. RELOCATION	0*	0*	0
3. UTILITY ADJUSTMENTS	0*	0*	0
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STRUCT.	22,387*	4,381*	26,768
5. SUBBASE, BASE, SURFACING, AND SHOULDERS	12,969*	13,525*	26,494
6. R. R. GRADE SEPARATIONS	318*	0*	318
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS	3,672*	563*	4,235
8. INTERCHANGES	3,516*	1,330*	4,846
9. OTHER BRIDGES, TUNNELS AND WALLS	444*	903*	1,347
10. TRAFFIC CONTROL DEVICES	3,366*	798*	4,164
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES	0	0	0
12. SAFETY WORK ON COMPLETED SECTIONS	0	0	0
13. NOISE ABATEMENT MEASURES	0	0	0
14. ROADSIDE IMPROVEMENT A. LANDSCAPE PLANTING	0	0	0
B. REST AREAS AND OVERLOOKS	0	0	0
15. OTHER ITEMS: MAINT. OF TRAF., TRAINING, MOBIL., ETC.	2,386	1,288	3,674
16. SUBTOTAL, LINE 4 THRU 15	49,058	22,788	71,846
17. CONSTRUCTION ENG'R AND CONTINGENCIES - 15% OF LINE 16	7,359	3,418	10,777
18. TOTAL COST OF CONST., LINES 16 AND 17	56,417	26,206	82,623
19. TOTAL ESTIMATE COST. LINES 1, 2, 3 AND 18	56,592	26,261	82,853

RUN DATE : 07/23/84

1985 INTERSTATE COST ESTIMATE

LE15R93A

TABLE C-2 - COST ESTIMATES BY ROUTES AND STATE TOTAL

PAGE NO. : 1

STATE : MONTANA

(INCLUDES ONLY THOSE COSTS AND ASSOCIATED MILEAGE ELEGIBLE FOR FAI FUNDING, FINANCE CODE 21, 22, 23 AND 25)

INTERSTATE ROUTE NUMBER	015	090	T O T A L
LENGTH, MILES	28.20	33.50	61.70
1. PRELIMINARY ENGINEERING	175	55	230
2. R.O.W. A. ACQUISITION	0	0	0
B. RELOCATION	0	0	0
3. UTILITY ADJUSTMENTS	0	0	0
4. EROSION CONTROL, CLEAR, GRUB, GRADE, DRAIN, MINOR STRUCT.	22,387	4,381	26,768
5. SUBBASE, BASE, SURFACING, AND SHOULDERS	12,969	13,525	26,494
6. R. R. GRADE SEPARATIONS	318	0	318
7. HIGHWAY GRADE SEPARATIONS WITHOUT RAMPS	3,672	563	4,235
8. INTERCHANGES	3,516	1,330	4,846
9. OTHER BRIDGES, TUNNELS AND WALLS	444	903	1,347
10. TRAFFIC CONTROL DEVICES	3,366	798	4,164
11. WEIGH STATIONS, PEDESTRIAN AND BICYCLE FACILITIES	0	0	0
12. SAFETY WORK ON COMPLETED SECTIONS	0	0	0
13. NOISE ABATEMENT MEASURES	0	0	0
14. ROADSIDE IMPROVEMENT A. LANDSCAPE PLANTING	0	0	0
B. REST AREAS AND OVERLOOKS	0	0	0
15. OTHER ITEMS: MAINT. OF TRAF., TRAINING, MOBIL., ETC.	2,386	1,288	3,674
16. SUBTOTAL, LINE 4 THRU 15	49,058	22,788	71,846
17. CONSTRUCTION ENG'R AND CONTINGENCIES - 15% OF LINE 16	7,359	3,418	10,777
18. TOTAL COST OF CONST., LINES 16 AND 17	56,417	26,206	82,623
19. TOTAL ESTIMATE COST. LINES 1, 2, 3 AND 18	56,592	26,261	82,853





TABLE D COST OF INTERSTATE BOND, ACI AND ADVANCE

ACQUISITION PROJECTS

(Projects completed or in authorized status as of January 1, 1984)

STATE Montana

Interstate Route	Estimate Section	Project No.	Work Class	Rural or Urban	Actual or Estimated Project Costs		Total Cost
					Federal (I) Funds (\$1,000)	State Matching (\$1,000)	(\$1,000)
90		I-IG-ID 90-1(61)27 U-9	Const.	R	4,791	462	5,253
Preparation of Estimate I-EST-85(001)					23	2	25
TOTAL	xxxxx	xxxxx	xxxxx	xxxxx	4,814	464	5,278

The above projects are not included in Table B or Table C.





